

Governor

Department of Environmental Protection

Southwest District 3804 Coconut Palm Drive Tampa, Florida 33619

David B. Struhs Secretary

August 29, 2002

Ms. Beverly Morgan Tampa Electric Company PO Box 111 Tampa FL 33601-0111

Re: Warning Letter #256541

TECO - Central Operations Center, Hillsborough County

EPA ID# FLD 981 477 904

Dear Ms. Morgan:

A review of the file for the referenced case indicates that all the violations cited in the Warning Letter have been corrected. This enforcement action is now closed.

Sincerely,

William Kutash

Administrator

Division of Waste Management

WK/kmh

cc: Kelley Boatwright, Hillsborough County Environmental Protection Commission Steve Ray, Department, HWR Section Compliance File

PCLT 8-21-02

"More Protection, Less Process"

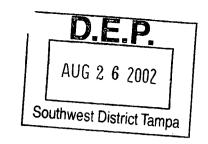
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State of Florida DEPARTMENT OF ENVIRONMENTAL PROTECTION

Interoffice Memorandum

•	ENF	ORCEMENT/COMPL	IANCE C	COVER MEMO	
TO:	William	Kutash, Environmental	Administr	ator	
FROM/THROU	GH: SCT Stanley	Tam, Professional Engin	eer II		
	Elizabet	h Knauss, Environmenta oney, Environmental Spe	l Manager	1 4	
DATE:	August 2	28, 2002			
FILE NAME:	TECO - Central C	Operations Center		PROJECT #:	256541
PROGRAM:	Hazardous Waste			COUNTY:	Hillsborough
			,		
TYPE OF DOCU	JMENT:				
☐ Draft or ☒	Final	□NOV		nsent Order	
Final Order		Case Report	Per	alty Authorization	n
☐ Warning Lett	er	Other: Case Close	d Letter		
DESCRIPTION	OF VIOLATIONS	S:			
spent lamp conta		mediately contain a rele			ly containerize and label re to record all required
SUMMARY OF	CORRECTIVE A	CTIONS:		^	
properly contain	erize and label spen	current facility condition nt lamp containers; immermation on weekly inspe	ediately co	ontain releases of	containers (corrected); universal waste in future
PENALTY SUM	IMARY:				
Potential for Har	m: N/A	Extent of Devi	ation:	N/A	
Modifiers: None					
Penalty Amount	: N/A	Expenses:	N/A		
TOTAL PENAL	TY AMOUNT: N	√A		☐ APPROVA	L REOUIRED





August 26, 2002

Ms. Kelly M. Honey **Environmental Specialist** Southwest District Florida Department of Environmental Protection 3804 Coconut Palm Drive Tampa, Florida 33619-8318

Via Hand Delivery

Re: Tampa Electric Company (TEC) **Central Operations Center (COC)** Permit Number FLD 981 477 904

Warning Letter #256541

Dear Ms. Honey:

This letter provides the Department with a copy of revisions to the Central Operation Center's Integrated Contingency Plan (ICP). These changes were implemented in response to the Department's comments/suggestions received June 20, 2002 and address hazardous waste contingency plan requirements in 40 CFR 265.56.

Please remove and recycle the existing Core Plan Procedures CP-1 and CP-2 and insert the new Core Plan Checklist #11.

Please contact me at (813) 641-5020 if you have any questions or require additional information.

Sincerely,

Beverly Morgan

Environmental Technician

Bevuly Morgan

Environmental Affairs

EA/bmr/BJM187

Enclosure

ICP revisions have been implemented in
BEL'S COPS. - KA TAMPA ELECTRIC COMPANY

(813) 228-4111

Honey, Kelly

From:

Beverly Morgan [bjmorgan@tecoenergy.com]

Sent:

Thursday, August 22, 2002 9:16 AM

To:

Honey, Kelly

Cc:

David Lukcic; Lynn Robinson; Stan Maloy

Subject:

Re: FW: TECO - COC Integrated Contingency Plan

We are meeting with our consultant this afternoon to finalize the changes. I hope to have the revised pages to you this Friday or Monday at the latest. Hope this is satisfactory. Thanks! Bev

>>> "Honey, Kelly" <Kelly.Honey@dep.state.fl.us> 08/21/02 05;31PM >>> Beverly:

I was just noticing that I haven't gotten the corrections for the COC's ICP. In case it somehow got lost in the email void (hey, it happens), I have forwarded my comments on the ICP that was submitted as part of the documentation of corrective actions resulting from my March inspection. I figured (hopefully, not wrongly!) that you probably made the corrections right away but just haven't sent them to me. I (and the other recipients) don't need another copy of the whole plan. You can just send me the pages that need to be swapped out.

Call me if you have any questions.

Thanks! Kelly Honey RCRA / Division of Waste Management 813/744-6100 (SunCom 512-1042), ext. 369

> ----Original Message-----

> From:

Honey, Kelly

> Sent:

Thursday, June 20, 2002 4:46 PM

> To: 'bimorgan@tecoenergy.com'

> Cc: Dregne, James

> Subject:

TECO - COC Integrated Contingency Plan

>

> Beverly:

- > I have just finished reviewing the ICP submitted as part of the required
- > corrective actions resulting from the recent inspection of the COC.
- > Although the ICP is extensive and very well organized, there are a couple
- > of items that still must be addressed.

- > In the Core Plan, Procedure CP-1, definitions of various types of incidents
- > are given. There is no mention of an incident specifically involving
- > hazardous wastes though mention is made of hazardous substances. Also, the
- > definition of moderate incident, the first mention of hazardous substances
- > is in reference to spills >25 gallons outside secondary containment. There
- > is concern that the language implies that spills or discharges of less than
- > 25 gallons of hazardous waste may be viewed by First Responders as
- > unimportant or no threat. The variety of hazardous wastes that may be on

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> site would possible require amering responses (e.g., spill of a corrusive
> versus an ignitable). The incident definitions should be revised to
> include spills of hazardous wastes.
>
> In the organizational chart provided in Procedure CP-5, page 5 of 5, after
> notification by the First Responder, the Supervisor/Manager "notifies as
> needed, based on initial assessment", the Emergency Coordinator, Safety
> Coordinator, etc. The concern is that for an incident involving hazardous
> waste, based on the incident definitions noted above, the Supervisor will
> decide that the Emergency Coordinator does not need to be notified. 40 CFR
> 265.56(b) states that "whenever there is a release, fire, or explosion, the
> emergency coordinator must immediately identify the character, exact
> source, amount, and a real extent of any released materials." Due to the
> threat to worker health generally inherent in hazardous wastes, the
> Emergency Coordinator should be at least verbally notified of ALL hazardous
> waste incidents regardless of the amount involved as it is the
> responsibility of the Emergency Coordinator and not the Supervisor to
> assess the threat from hazardous waste incidents.
>
> Similarly, the Checklists provided in Attachment 3 do not include incidents
> involving hazardous waste. A checklist should be created for these types
> of incidents. There is very little mention of hazardous wastes throughout
> the ICP, except regarding its storage location. In accordance with 40 CFR
> 265.52(a). "the contingency plan must describe the actions facility
> personnel must take to comply with §§ 265.51 and 265.56 in response to
> fires, explosions, or any unplanned sudden or non-sudden release of
> hazardous waste or hazardous waste constituents to air, soil, or surface
> water at the facility." The Plan must address hazardous wastes more
> directly.
>
> Finally, 40 CFR 265.52(d) states that "the plan must list names, addresses."
> and phone numbers (office and home) of all persons qualified to act as
> emergency coordinator (see § 265.55), and this list must be kept up to
> date. Where more than one person is listed, one must be named as primary
> emergency coordinator and others must be listed in the order in which they
> will assume responsibility as alternates." All three people designated as
> Environmental Coordinator must have their address listed in the Plan.
> Kelly Honey
> RCRA / Division of Waste Management
> 813/744-6100 (SunCom 512-1042), ext. 369
```

>

Honey, Kelly

From:

Honey, Kelly

Sent:

Wednesday, August 21, 2002 5:32 PM

To:

'bimorgan@tecoenergy.com'

Subject:

FW: TECO - COC Integrated Contingency Plan

Beverly:

I was just noticing that I haven't gotten the corrections for the COC's ICP. In case it somehow got lost in the email void (hey, it happens), I have forwarded my comments on the ICP that was submitted as part of the documentation of corrective actions resulting from my March inspection. I figured (hopefully, not wrongly!) that you probably made the corrections right away but just haven't sent them to me. I (and the other recipients) don't need another copy of the whole plan. You can just send me the pages that need to be swapped out.

Call me if you have any questions.

Thanks! Kelly Honey RCRA / Division of Waste Management 813/744-6100 (SunCom 512-1042), ext. 369

----Original Message----

From:

Honey, Kelly

Sent:

Thursday, June 20, 2002 4:46 PM 'bjmorgan@tecoenergy.com'

To: Cc:

Dregne, James

Subject:

TECO - COC Integrated Contingency Plan

Beverly:

I have just finished reviewing the ICP submitted as part of the required corrective actions resulting from the recent inspection of the COC. Although the ICP is extensive and very well organized, there are a couple of items that still must be addressed.

In the Core Plan, Procedure CP-1, definitions of various types of incidents are given. There is no mention of an incident specifically involving hazardous wastes though mention is made of hazardous substances. Also, the definition of moderate incident, the first mention of hazardous substances is in reference to spills >25 gallons outside secondary containment. There is concern that the language implies that spills or discharges of less than 25 gallons of hazardous waste may be viewed by First Responders as unimportant or no threat. The variety of hazardous wastes that may be on site would possible require differing responses (e.g., spill of a corrosive versus an ignitable). The incident definitions should be revised to include spills of hazardous wastes.

In the organizational chart provided in Procedure CP-5, page 5 of 5, after notification by the First Responder, the Supervisor/Manager "notifies as needed, based on initial assessment", the Emergency Coordinator, Safety Coordinator, etc. The concern is that for an incident involving hazardous waste, based on the incident definitions noted above, the Supervisor will decide that the Emergency Coordinator does not need to be notified. 40 CFR 265.56(b) states that "whenever there is a release, fire, or explosion, the emergency coordinator must immediately identify the character, exact source, amount, and a real extent of any released materials." Due to the threat to worker health generally inherent in hazardous wastes, the Emergency Coordinator should be at least

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Finally, 40 CFR 265.52(d) states that "the plan must list names, addresses, and phone numbers (office and home) of all persons qualified to act as emergency coordinator (see § 265.55), and this list must be kept up to date. Where more than one person is listed, one must be named as primary emergency coordinator and others must be listed in the order in which they will assume responsibility as alternates." All three people designated as Environmental Coordinator must have their address listed in the Plan.

Kelly Honey RCRA / Division of Waste Management 813/744-6100 (SunCom 512-1042), ext. 369

Honey, Kelly

From:

Honey, Kelly

Sent:

Thursday, June 20, 2002 4:46 PM bimorgan@tecoenergy.com

Cc:

Dregne, James

Subject:

TECO - COC Integrated Contingency Plan

Beverly:

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Kelly Honey RCRA / Division of Waste Management



June 4, 2002

Ms. Kelly M. Honey Environmental Specialist Southwest District Florida Department of Environmental Protection 3804 Coconut Palm Drive Tampa, Florida 33619-8318 Via FedEx Airbill No. 7918 5322 8810

Re: Tampa Electric Company (TEC)
Central Operations Center (COC)
Permit Number FLD 981 477 904
Warning Letter #256541

Dear Ms. Honey:

This letter provides information requested by the Department in a Warning Letter dated May 2/2002 and received May 8, 2002 concerning a hazardous waste inspection conducted on March 28, 2002 at the referenced location. The Department identified several concerns that require a response from Tampa Electric Company. Our response to your comments and appropriate corrective actions taken are presented below.

I. TRANSFORMER SHOP

Labeling of the 1,000 and 10,000 gallon Used Oil ASTs, and used transformer oil management, page 2, sixth paragraph:

The removal of the handwritten "Good" and "Junk" markings on the two double-walled ASTs collecting used mineral oil outside the Transformer Repair Shop are documented in picture #1 of Attachment A.

The referenced paragraph includes the statement "Used transformer oil containing greater than or equal to 50 ppm of PCB is stored separately in the PCB Waste Storage area and was formerly burned for energy recovery by one of TECO's other facilities, however, TECO now recycles it through Trans-Cycle Industries, Inc., Pell City, AL."

Please note to the contrary, that used transformer oil containing PCBs at greater than 49 ppm concentrations has never been burned for energy recovery at TECO. Such oil has been sent to Trans-Cycle Industries for incineration for a period of many years.

Ms. Kelly M. Honey April 9, 2002 Page 2 of 3

II. FACILITY SERVICES

Labeling and containerizing spent lamps, page 3, third paragraph:

The Universal Waste collection shed at COC – Facility Services has been equipped with several fiber drums to collect spent lamps which can not be repacked in their original box. Additionally the shed has been equipped with a supply of Universal Waste Labels, tape, and marking pens. These improvements are documented in pictures #2 and #3 of Attachment A.

III. VEHICLE MAINTENANCE

Appropriate labeling of used oil, page 3, fifth paragraph:

In compliance with 40 CFR 279.22, the 500-gallon AST outside the Vehicle Maintenance area has been relabeled "Used Oil," as shown in picture #4 of Attachment A.

Authorization for used oil filter disposal, page 3, sixth paragraph:

All COC processable waste is sent to the city's McKay Bay incinerator. Attachment B is a memo from Greig Grotecloss, stating that the City of Tampa Solid Waste Department allows their customers to dispose of oily waste in their normal solid waste dumpster as long as there is no significant quantities of free liquid. We drain all used oil filters at COC for 24 hours prior to disposal to assure the absence of significant quantities of free liquid.

Employees at COC as well as employees at other TEC operating centers have been advised that only "de minimis quantities" of these materials may be placed in any one processable solid waste dumpster. Our understanding of "de minimus" is that oily waste materials may comprise no more than 10% of the waste dumpster capacity. The rule of thumb for satisfying the 10% capacity limit is that no more than three 55-gallon drums of oily material may be disposed into any one 20-CY processable waste dumpster. Additionally we advise employees that oily waste materials must be inseparably commingled with the other trash inside the container.

Labeling of spent coolant, page 4, first paragraph:

As shown in picture #5 of Attachment A, the drum collecting spent coolant has been labeled "Anti-freeze for Reclamation."

Ms. Kelly M. Honey April 9, 2002 Page 3 of 3

IV. SUBSTATION OPERATIONS

Labeling used oil containers, page 4, fifth paragraph:

In accordance with 40 CFR 279.22, the 2,865 gallon AST located outside the main Substation Operations building, as well as the two drums collecting used oil inside the building, have been labeled "Used Oil", as shown in pictures #6, #7, #8 and #9 of Attachment A.

V. INVESTMENT RECOVERY

Inspection Log, page 5, second paragraph:

As shown in Attachment C, the Weekly Inspection Log has been revised to include an area for a description of any problems found and actions taken during the inspection.

Contingency Plan, page 5, third paragraph:

At the time of the inspection, an Integrated Contingency Plan (ICP) was being developed. This plan incorporates several procedures including a Preparedness and Prevention Plan, a Contingency Plan and Emergency Procedures. A copy of the final plan is included as Attachment D.

Please contact me at (813) 641-5020 if you have any questions or require additional information.

Sincerely,

Beverly Morgan

Technician

Environmental Affairs

Burely Morgan

EA/bmr/BJM181

Enclosure



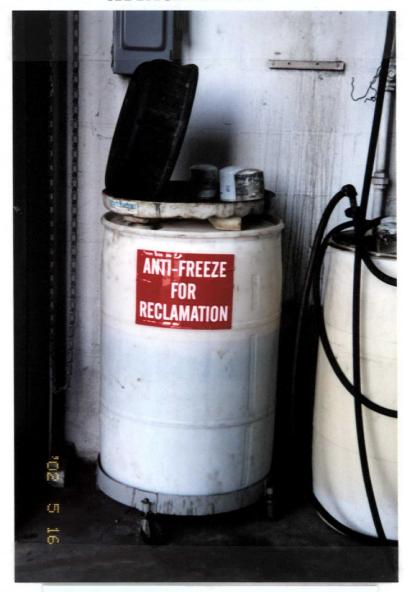






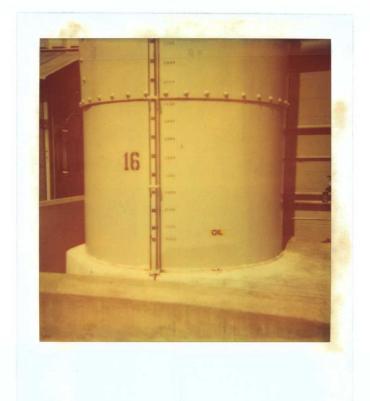
#3





#5





#7





City of Tampa Memorandum

To: Jim Cook

From: Greig Grotecloss

Subject: Oily Waste

Date: May 15, 2002

The City of Tampa Solid Waste Department does allow our customers to dispose of oily waste in their normal solid waste dumpster as long as there is no significant quantities of free liquid. The City discouraged this practice during 2000 and 2001 during the retrofit of the McKay Bay facility. We were sending a lot of our waste to Hillsborough County's landfill and they do not accept oily waste. The retrofit of McKay Bay ended in August 2001 and all City processible waste is currently going to McKay Bay.

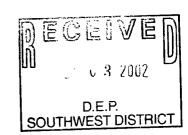
WEEKLY INSPECTION SHEET

Time: 9:3	0			***		
	30.02					
Name (Print):		Signature:	· · · · · · · · · · · · · · · · · · ·			
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	77 77 77 77		Vilm	mod	es	
PCB Adjacent Stora	ge Area					
PCB Wastes	Equipment/Container	Equipment/Container		n,		
In Storage?	Labeled?	Free of Leaks?				e Santo de La Roya de Españo de Alexandro de
Yes or No	Yes or No	Yes or No				
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		,				
N/Y	N/A	N/A				
		* * * * * * * * * * * * * * * * * * * *				
PCB Permanent Stor	age Area					
Doors	Emergency Response	Spill Kit	PCB Waste	Equipment	/Container	Equipment/Container
Shut?	Equipment Ready?	Complete?	in Storage?	labe		Free of Leaks?
Yes or No	Yes or No					
7.8.4 2.3.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.	1 es 01 4NO.	Yes or No	Yes or No	Yes o	r No	Yes or No
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Hazardous Waste 90-					•	
Number of Containers	Are all containers in good condition? (no evidence of leak	Are all containers	Are all containers l		Is emerge	ncy equipment present
Number of Containers	corrosion, dents?)	closed:	the Accumulation		and in g	ood condition? (fire
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	Yes or No	Yes or No				materials)
	- Carlotte Charles Taken Comment	A some of from Edward South	Yes or No	0		Yes or No
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				7		y C3

Description of any problems found and actions taken:



May 31, 2002



Ms. Beth Knauss Florida Department of Environmental Protection Southwest District 3804 Coconut Palm Drive Tampa, FL 33619 Certified Mail No. 7000 0520 0016 1349 2105 Return Receipt Requested

Re:

Tampa Electric Company Central Operations Center Hazardous Waste Emergency Response Plan

Dear Ms. Knauss:

Under 40 CFR 265.37 and 40 CFR 265.33, Tampa Electric Company is required to inform local authorities and emergency response organizations of hazardous waste activities and emergency response procedures at the above referenced facility and to submit revisions of the plan as required.

Enclosed is a copy of the "Tampa Electric Company's – Central Operations Center Integrated Contingency Plan, May 2002."

Please disregard any previous plans for this facility. If you have any questions, please contact me at (813) 641-5107.

Sincerely,

David M. Lukcic, P.E.

Manager, Land & Water Programs

Environmental Affairs

EA/bmr/BJM174

Enclosure

TAMPA ELECTRIC COMPANY

P. O. BOX 111 TAMPA, FL 33601-0111

X ICP garier to BER-KH

(813) 228-4111



Department of Environmental Protection

Eng

Jeb Bush Governor Southwest District 3804 Coconut Palm Drive Tampa, Florida 33619

David B. Struhs Secretary

May 2, 2002

Ms. Beverly Morgan Environmental Affairs Tampa Electric Company PO Box 111 Tampa, FL 33601-0111

RE: TECO - Central Operations Center

FLD 981 477 904

Warning Letter #256541 Hillsborough County

Dear Ms. Morgan:

The purpose of this letter is to advise you of possible violations of law for which you may be responsible, and to seek your cooperation in resolving the matter. A hazardous waste program field inspection conducted on March 28, 2002, indicates that violations of Florida Statutes and Rules may exist at the above referenced facility. Department of Environmental Protection (Department) personnel made observations described in the attached inspection report. Section 10 of the report lists a summary of alleged violations of Department Rules.

Section 403.727, Florida Statutes (F.S.) provides that it is a violation to fail to comply with rules adopted by the Department. The activities observed during the Department's field inspection and any other activities at your facility that may be contributing to violations of Florida Statutes or Department Rules should cease.

You are requested to respond in writing within thirty (30) days with documentation that all alleged violations have been corrected. Please see Section 11 of the inspection report for a list of recommended corrective actions. Alternatively, you may contact Kelly Honey at (813) 744-6100, extension 369, within fifteen (15) days of receipt of this Warning Letter to arrange a meeting to discuss this matter. The Department is interested in reviewing any facts you may have that will assist in determining whether any violations have occurred. You may bring anyone with you to the meeting that you feel could help resolve this matter. You may also request a meeting to discuss the recommended corrective actions or negotiate a compliance schedule.

" WL " 5. 2022

"More Protection, Less Process"

Printed on recycled paper.

Please be advised that this Warning Letter is part of an agency investigation, preliminary to agency action in accordance with Section 120.57(4), F.S. If you fail to respond and document a return to compliance within 90 days, under the Department's agreement with the United States Environmental Protection Agency (EPA), you may be designated as significantly out of compliance. This could result in issuance of a formal administrative complaint or "Notice of Violation" (NOV) and assessment of civil penalties if the case is not resolved within 150 days of the attached inspection report. We look forward to your cooperation in completing the investigation and resolution of this matter.

Sincerely yours;

Deborah A. Getzoff

Director of District Management

Southwest District

DAG/kmh

attachment

cc: Kelley Boatwright, Hillsborough County Environmental Protection Commission Compliance File



Department of **Environmental Protection**

Jeb Bush Governor Southwest District 3804 Coconut Palm Drive Tampa, Florida 33619

David B. Struhs Secretary

HAZARDOUS WASTE INSPECTION REPORT

1. I	SPECTION TYPE: Routine Complaint Permitting Follow-Up Pre-Arranged
FACI	ITY NAME TECO - Central Operations Center EPA ID # FLD 981 477 904
STRE	ET ADDRESS 2200 East Sligh Avenue, Tampa, FL 33610
MAII	NG ADDRESS PO Box 111, Tampa, FL 33601-0111
COU	TY Hillsborough PHONE (813) 641-5020 DATE March 28, 2002 TIME 9:45 am
	NOTIFIED AS: Non-notifier CURRENT STATUS: Non Handler Non Handler □ CESQG (<100 kg/mo.) □ CESQG (<100 kg/mo.) □ SQG (100-1000 kg/mo.) □ Generator (>1000 kg/mo.) □ Transporter □ Transfer Facility □ Interim Status TSD Facility □ Interim Status TSD Facility □ TSD Facility □ TSD Facility □ Unit Type(s): □ Unit Type(s): □ Exempt Treatment Facility □ Exempt Treatment Facility □ Used Oil: □ Used Oil: Generator
	PPLICABLE REGULATIONS: □ 40 CFR 261.5 ⋈ 40 CFR 262 □ 40 CFR 263 □ 40 CFR 264 ⋈ 40 CFR 265 □ 40 CFR 266 ⋈ 40 CFR 268 ⋈ 40 CFR 273 ⋈ 40 CFR 279 ⋈ 62-710, FAC ⋈ 62-737, FAC ⋈ 62-730, FAC
3.	RESPONSIBLE OFFICIAL(s):
	Beverly Morgan, Environmental Affairs Technician J. B. Ramil, President
4.	NSPECTION PARTICIPANTS:
	Beverly Morgan; Terese Sanchez, TECO Kelly Honey, FDEP
5.	ATITUDE/LONGITUDE: 28° 00' 42" 82° 26' 04"
6.	SIC Code: 4911
7.	TYPE OF OWNERSHIP: Private Federal State County Municipal
8.	PERMIT #: N/A ISSUE DATE: EXP. DATE:

"More Protection, Less Process"

9. Facility Description:

The Tampa Electric Company Central Operations Center (COC) was inspected on March 28, 2002, to determine its compliance with State and Federal hazardous waste regulations. COC notified the Department of Environmental Protection (Department) of its status as a Large Quantity Generator (LQG) of hazardous waste on November 1, 1989. The inspector was accompanied throughout the inspection by Beverly Morgan, Environmental Affairs Technician, and Terese Sanchez, Environmental Specialist. The facility was last inspected by the Department's Hazardous Waste Section on May 22, 1995.

The COC is a clearing house for all Tampa Electric Company (TECO) equipment needing repairs, including its fleet of vehicles and its transformers. It also collects hazardous, nonhazardous and universal wastes from TECO's conditionally exempt small quantity generators and ships them for disposal using its EPA identification number. Hazardous wastes are generated in the COC's Investment and Recovery areas and the Vehicle Maintenance areas. TECO performs a waste analysis on each waste stream generated as part of its standard operating procedures.

The inspection began at the 90 Day Hazardous Waste Storage Area, located in Investment and Recovery, assisted by the Administrator, Wendell Welsh. The Storage Area is equipped with a grated floor over a sealed, concrete sump. Hazardous and nonhazardous wastes are stored here on opposite sides of the Storage Area, and there is also a 55-gallon satellite accumulation drum for spent aerosol spray cans, closed and labeled as to its contents. At the time of inspection, there was only one container of hazardous waste awaiting shipment for disposal, a steel 55-gallon drum containing spent parts washing solvent from Vehicle Maintenance. The drum was closed, dated and properly labeled. Hazardous wastes are disposed of at several facilities, including Southeastern Chemicals & Solvent, Sumter, SC; Heritage Environmental Services, LLC, Indianapolis, IN; and Michigan Disposal Waste Treatment Plant, Belleville, MI.

Other wastes observed in the Storage Area included two drums for collection of alkaline batteries, a drum for collection of NiCad batteries, and a drum of spent sandblasting media, the status of which was pending receipt of analyses. All these drums were closed and labeled. All universal wastes are picked up for recycling by Superior Special Service, Tampa, FL. Also observed were various spill kits around the Storage Area.

A walk through of the work areas in Investment and Recovery, as well as in other parts of the COC, revealed that the fire extinguishers were not certified for the year 2001. Correspondence received since the inspection indicates that County Fire Equipment Company, Tampa, FL, has inspected and recertified all the fire extinguishers in the COC. A vibratory polishing system is still in use at the facility and uses recirculated mineral spirits, with more added as needed. Mineral spirits is pumped into the Ultramatic Vibratory Polisher from a small supply tank and then drains into a sump where solids settle out. When the sump is full, a sump pump automatically pumps it back into the supply tank. The sump is cleaned infrequently.

Just outside the transformer repair shop in Investment and Recovery, are two, double-walled aboveground storage tanks (ASTs) for storage of used transformer (mineral) oil. A 1,000-gallon AST holds oil that is to be reused, and there is a 10,000-gallon AST for storage of "junk oil", which cannot be reused. Both ASTs were labeled "Used Oil", as well as "good oil" or "junk oil". International Petroleum Corporation (IPC), Plant City, FL, takes all used oils, including used transformer oil containing <50 ppm of PCB, generated at the COC. Used transformer oil containing ≥50 ppm of PCB is stored separately in the PCB Waste Storage Area and was formerly burned for energy recovery by one of TECO's other facilities, however, TECO now recycles it through Trans-Cycle Industries, Inc., Pell City, AL.

Soils contaminated with used transformer oil is still stored outside nearby to the south of Facility Services, formerly known as Building Maintenance. Stained soils are excavated, drummed, labeled, and brought to the Contaminated Soil Storage Area pending analyses for PCB content. If the oil is found to contain <50 ppm of PCB, the associated drum is then emptied into a nearby roll-off, ultimately going to Clark Environmental, Inc., Mulberry, FL, for thermal treatment. Soils found to be contaminated with oil containing ≥50 ppm of PCB are disposed of by Trans-Cycle Industries, Inc.

Facility Services maintains all TECO's grounds and buildings, however, no longer does any painting as this activity has been contracted out. Hazardous wastes are no longer generated in this area, but there are a 5-gallon and a 10-gallon bucket for accumulation of universal waste batteries in the shop.

Spent lamps are stored in a shed located nearby to the west of Facility Services. The shed is secured behind a locked fence. At the time of inspection, there were approximately twenty-nine boxes of spent fluorescent lamps in the shed. There was also one fiberboard cylinder which appeared to be empty. While the cylinder was appropriately labeled, none of the boxes were. Additionally, several of the boxes were either left open or, due to their poor condition, could not be closed at all. Fragile universal waste devices, such as spent fluorescent lamps, must be placed in closed containers that are structurally sound, compatible with the universal waste lamp and labeled or marked clearly with the words "Spent Mercury-Containing Lamps for Recycling", "Universal Waste Mercury Lamps", "Waste Mercury Lamps" or "Used Mercury Lamps". Failure to properly containerize the spent lamps is a violation of 62-737.400(5)(a), FAC, and failure to label containers of spent lamps is a violation of 62-737.400(5)(b)1, FAC. TECO must ensure that all containers of spent lamps are structurally sound, closed and correctly labeled.

Observed on the floor of the shed were shards of broken glass indicating lamp breakage that had not been adequately addressed. In accordance with 40 CFR 273.17, a small quantity handler of universal waste must immediately contain all releases of universal wastes and other residues from universal wastes and must determine whether any material resulting from the release is hazardous waste. Any waste determined to be hazardous must be managed in compliance with all applicable requirements of 40 CFR, Parts 260 through 272. Since the inspection, Ms. Morgan has stated that the broken lamp was cleaned up and placed into a container labeled "Universal Waste - Broken Lamps".

Vehicle Maintenance was then inspected, assisted by Robert Kinzy and Yvette Vega. The COC maintains all of TECO's vehicles and to accomplish this, is equipped with a large garage, as well as two painting booths. Just outside the garage, there is a 500-gallon AST, which appeared to be double-walled, storing used oil. The AST was labeled both "used oil" and "waste oil". TECO should remove the "waste oil" designation. Inside the garage, staff use portable dollies during oil changes, and though most contained used oil, none were labeled, a violation of 40 CFR 279.22(c)(1). All the dollies were marked with the words "Used Oil" during the inspection.

Outside the garage, there are two roll-offs, one designated for landfilling and one designated for incineration. Used oil filters have been discarded in the incineration roll-off. Ms. Morgan stated during the inspection that this practice was approved by the Hillsborough County Solid Waste Department, however, Hillsborough County has disallowed this practice in the past. **TECO must provide the Department with written permission from the County to dispose of its used oil filters in this manner.** Oily wastes are also discarded into the incineration roll-off, another practice that Ms. Morgan believes was approved by the County. Again, Hillsborough County does not allow this practice, and unless written permission is obtained and provided to the Department, the practice must cease. TECO should contact IPC about disposal options for both used oil filters and oily wastes.

Also used in the garage are four 26-gallon parts washers which are serviced on site as needed by garage staff. According to Mr. Kinzy, all four are cleaned out at the same time, and the liquid and filters are separately drummed and sent over to the 90 Day Storage Area where they are sampled, and a waste determination is performed. The Power Systems parts washer that is no longer in use should be emptied during the next cleaning cycle. Rolls of sorbent pads and other sorbent materials are located throughout the garage. Dirty rags generated are placed in a receptacle and then disposed of with the other oily wastes in the incineration roll-off. Spent coolant is accumulated in the garage's Product Storage Area. Ms. Morgan stated that spent coolant is no longer recycled on site but is now shipped to MMT Technologies, Inc., Lakeland, FL, for recycling. There were only around ten gallons of spent coolant on site at the time of inspection. The Department recommends that the spent coolant container be labeled to prevent any confusion. Spent lead-acid batteries are exchanged for core credit by Battery Express, Inc., Tampa, FL.

Other wastes observed in the garage included two 55-gallon stainless steel drums labeled "waste fuel", a 55-gallon satellite accumulation drum for aerosol spray cans and a 30-gallon container for accumulation of alkaline batteries destined for recycling. All these containers were being managed correctly. There is also a Zero Blast-N-Peen sandblasting unit in the garage with a 55-gallon satellite accumulation drum for spent media. The drum was labeled, closed and currently managed as hazardous waste, but the contents will probably be analyzed to ensure a correct waste determination when the drum is full as per TECO's standard procedure.

Just outside the garage is an oil/water separator system. Water is discharged to the storm sewer, and oil is pumped out by IPC. The contents of the separator are analyzed annually for hazardous constituents and are currently managed as nonhazardous.

The facility's paint booths, also located outside the garage, are where both vehicles and transformers are painted. Yvette Vega, who is in charge of paint booth operations, stated that there have been no product changes since the previous inspection when the filters were determined to contain no RCRA metals. The only difference is that painting is now done much less frequently. Review of MSDSs indicates the paint booth filters are still nonhazardous. The paint booth filters are changed bimonthly and discarded into the regular trash. Lacquer thinner is used to clean the spray nozzles, and each booth is equipped with 5-gallon container for accumulation of waste lacquer thinner. Both containers had hazardous waste labels and were closed. A properly managed 55-gallon satellite accumulation drum for paint waste is located in the Preparation Area, just outside of Paint Booth #1.

Substation Operations generates little or no hazardous waste but does generate used oil. Gerald Johnson, who provided assistance, said that used oil from some equipment, as well as used transformer oil, is placed into two 55-gallon drums labeled "Junk Oil" which are located inside the main building. Outside the main building, were two 3,000-gallon ASTs, one for virgin oil and one for used oil. The used oil AST was labeled "Junk Oil". Failure to label the two drums and the AST with the words "Used Oil" is an additional violation of 40 CFR 279.22(c)(1). TECO must relabel these containers. Mr. Johnson said that when the AST is full, the contents are screened for halogens and pumped directly into a tanker truck by IPC.

There is a Startrite unit for cutting metal which uses oil coolant in the nearby Substation maintenance shop. Mr. Johnson said it was rarely used and he didn't know if it had ever been cleaned out. Staff in the maintenance shop also use small amounts of denatured alcohol as a solvent for light cleanup.

An intercom system, fire suppression equipment and alarm systems are located throughout the entire facility.

Records were reviewed and are maintained in Investment and Recovery by Jim Cook. Inspections of the 90-Day Storage Area are performed weekly and documented, but the logs do not contain all the necessary information (e.g., number of hazardous waste drums). Failure record the date and time of each inspection, the legibly printed name of the inspector, the number and the condition of the containers, a notation of the observations made, and the date and nature of any necessary repairs or other remedial actions during weekly inspections of containers storing hazardous waste is a violation of 62-730.160(6), FAC. Since the inspection, the log has been revised to include all the required information, although the Department recommends adding a "comments" or "corrective action description" section to the Hazardous Waste 90-Day Storage Area portion of the log rather than having the inspector simply notate the bottom of the form.

The COC has an Integrated Contingency Plan, but it has not been revised to reflect personnel changes (e.g., Michael Morgan designated as Emergency Coordinator), and waste handling changes (e.g., lamps no longer crushed on site). Failure to amend the contingency plan when the list of emergency coordinators changes is a violation of 40 CFR 265.54(d). TECO must revise its Plan for the COC to reflect current facility conditions in accordance with the requirements specified in 40 CFR 265.52. TECO must distribute the revisions to local authorities to comply with 40 CFR 265.53.

Training records indicate that employees, including the supervisors for each department, and the primary hazardous waste handlers, receive RCRA training at least annually. Employees are trained within six months of hiring. Manifests were reviewed, and no errors were noted. The 2001 Biennial Report has been submitted.

10. Summary of Alleged Violations:

40 CFR 265.54(d)	Failure to amend the contingency plan when the list of emergency coordinators changes
40 CFR 273.17	Failure to immediately contain all releases of universal wastes and other residues from universal wastes and determine whether any material resulting from the release is hazardous waste (corrected)
40 CFR 279.22(c)(1)	Failure to label eight dollies, two drums and one AST storing used oil with the words "Used Oil" (corrected)
62-730.160(6), FAC	Failure record the number of containers observed during weekly inspections of containers storing hazardous waste (corrected)
62-737.400(5)(a), (b)1, FAC	Failure to properly containerize and label spent fluorescent lamps

11. Recommendations:

40 CFR 265.54(d)

Amend or revise the Integrated Contingency Plan for the COC to reflect current facility conditions in accordance with the requirements specified in 40 CFR 265.52. Distribute the revisions to local authorities.

62-737.400(5)(a), (b)1, FAC

Ensure all boxes of spent fluorescent lamps are closed, structurally sound and marked with the words "Spent Mercury-Containing Lamps for Recycling", "Universal Waste Mercury Lamps", "Waste Mercury Lamps" or "Used Mercury Lamps".

Date:

Inspected	
inspected	

Kelly Honey

Environmental Specialist I

Approved:

Elizabeth B. Knauss

Environmental Manager

USED OIL GENERATOR CHECKLIST

Faci	lity Name: TECO	- CENTRAL	DPERATIONS CTR	Date:_/	MARCH 28, 2002
Faci	lity Representative	BEVERLY	MORGAN	Facility	ID#: FLD 981 477 90
010	Codes: 49//				or: Kary HONEY
SIC	Codes: 1771			IIISPECI	oi. <u>1200</u>
		40 CFR 27	79 Subpart C G	enerator St	andards
1. [Describe the facil	lity's used oil	streams:		
	WASTE	ON/Off	Testing or Process	Generation	Disposal Facility
	DESCRIPTION	Specification	Knowledge	Rate Very	and EPA ID
-	TRANSFORMER (MINERAL OIL)	01	TESTING	HIGH!	FLD 065 680 613
BED	MOTOR	٥٨	process	~ 200 G	SAME AS ABOVE
16	016/506105		-	=1900-6	3 13 7 3 A 3 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1
	SEP (LEND UT)	0.0	TESTING	11/40	SAME AS A ROVE
15000	IL / WATER		7777	2600G	CA 445 AT A-031/5
0/W	SOP CEAN OUT)	0 ^	TESTING	-1/YR	SAMEAS AGOVE
2.	Does the generator	mix hazardous v	vaste with the used	oil?(279.10)	YN_X
					YN/A
3.	If so, is the facility a	CESQG?			•
	If not, Is the oil mixe (describe waste)	d with a charact	eristic hazardous w	aste?	YN/A
	If so, does the facilit characteristic of haz		the resultant mixtu	re does not ex	xhibit any YNA
	Or, if the hazardous ignitable?	waste is only De	001, that the resulta	ınt mixture is ı	not YN/A
	If the facility is not a it must be managed			ed hazardous	waste,
5.	Does the facility ger	nerate other mat	erials contaminated	with used oil	? Y <u>X</u> N
	If so, are the materi	als burned for e	nergy recovery as u	sed oil?	Y_X_N
	or, Does the facility hazardous waste?				YN/A
6.	Does the generator	claim that the u	sed oil meets the sp	pecification in	279.11? YN_X
	If so, and the oil is subject to 40 CFR		or energy recovery	y, the genera	tor is a marketer

Rev. 08/25/00

Facility:	ECO-	CENT	RAL	OPS	
	MARCH				

Subpart C

1.	Does the facility store used oil only in tanks, containers or permitted hazardous waste storage units?	Y_X_	_ N
	Are containers/tanks in good condition? (279.22(b)(1))	YX_	_ N
	Are containers/tanks leaking? (279.22(b)(2))	Υ	N <u>X</u>
	Are containers/tanks storing used oil marked with the words "Used Oil", Including fill pipes used to fill underground tanks? (279.22(c))	Y	_N_X
2.	Are used oil filters stored in above ground containers which are: (62-710.850)(6))	
	In good condition?	Y	_N <u>X</u>
	Closed or otherwise protected from weather?	Υ	_ N
	Labeled "Used Oil Filters"?	Y	_ N
	Stored on an oil impervious surface?	Y	_ N
3.	Have any releases to the environment occurred, other than a leak from a US	ST? Y	N <u>X</u>
	If so, did the facility stop the release, contain the oil, clean up the release and manage the contaminated material properly and repair or replace the leaking units prior to returning them to service? (279.22(d))	Y	_ N <u>/A</u>
4.	Does the generator burn on site in a space heater? (279.23)	Y	_ N_ <i>X</i>
	If so, does he burn only DIY oil or oil generated on site?	Y	_ N <u>/A</u>
	Does the heater have a capacity of no more than 0.5 million BTU/hr?	Y	_ N <u>/A</u>
	Are combustion gasses vented to the atmosphere?	Y	_N/A
5.	Does the generator only use transporters who have received EPA Identification numbers?		
	Name and number PC - FLD 065 680 6/3		
6.	If not, does the generator self-transport only used oil generated on site or D to used oil collection centers or aggregation point owned by the generator?	IY oil Y	_ N_/A
	Name and location of center: N/A	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
	Location of generator aggregation point: // A		
	If so, is this only in vehicles owned by the facility or facility employees?	Y	N <u>/A</u>
	Is no more than 55 gallons transported at one time?	Y	_ N/A
7.	Alternatively, does the generator have a tolling arrangement with a used oil reclaimer?	Y	_ N <u>/A</u>
	Is a copy of the contract kept on site specifying		
	type and frequency of shipments?	Y	_ N
	that the transport vehicle is owned by the processor?	Y	_ N
	that the reclaimed oil will be returned to the generator?	Y	_ N_ ·\

		GEI	NERATOR	CHECKLIST		•	
Facili	ty Name: TECO ty Representative: Sodes: 4911	- CENTRAL BEVERLY	_ OPERATI MORGAN	Date: MAR —— Facility ID #:_ —— Inspector: K	FLD	<u>981 4</u>	77 904
		40 CFR 262	Subpart A	General Standard	S		
1. D	escribe the facility	's hazardous	waste strea	ms: for 2001/	Soos	(does 1	of include At
	WASTE DESCRIPTION	EPA Waste Codes	Generation Rate	Disposal Facility and EPA ID		Correct ID?	Testing or Process Knowledge
WAST	E AEROSOL AY CANS	D001	~ 1 down every 3 ms.	HERITAGE ENV. IND 0932 19 01		y	PROCESS KNOWLEDGE
	T PARTS ER SOLVENT	D008	21656 annually	SECHEMICAL S SCD 036 275		v. y	PROCESS KNOWLEDGE 4-testing
PAIN	T RELATED TES	DO01 FOOS DO35	2500G annually	SE CHEMICAC !		r y	PROCESS KNOWLEDGE
SPIR	F MINERAL ITS & SOLIDS POLISHER	DOOI (poss some metals)	LOW	SE CHEMICAL &	Sozvent	•	frocess (18) tenowledge TESTING
Sper	NT SANDBLASTING A	not yet Characterized	Approx 1 Drum annually	to permitted 73	D		TESTING
WAS	TE ACID	D002	270G annually	HERITAGE EN	1. Suci	y	process (cnowledge
(desc	ribe discrepancies in wa	ste identification i	n narrative)				
2.	Has the facility obtain	ed an EPA ID nu	ımber?. (40 Cl	FR 262.12)	Y_X	N	_
	3. Is the facility disposing of all its hazardous wastes to facilities permitted to accept the waste? YN						
4. Are any hazardous wastes treated or disposed of on site? Describe in narrative. YN_X					<u>.</u>		
5	5 Is the facility exempt from hazardous waste permit requirements? YNA Describe in narrative.						<u> </u>
	recycled on site?			weight volatile organics or process equipment c	Y hecklists	n <u>/A</u>	_

(X TSD 1D # on manifests is that of Heritage transport LLC.)

Facility:	Co	CEN	TRAL	Ops	· ·
Date:	MARCH	28	2002		

40 CFR 262 Subpart B -- The Manifest

1.	Does the fac	cility use a manife	st for all its hazardous	wastes? (262.20)	Y_X_N		
2.	Is the facility	Y_X_N					
3.	Does the fac	Does the facility ship by rail or water? (If so, check 262.23(c))					
4.	Is the manif	est filled out prope	erly?		YXN		
	Manifest Li	ne Item No.:					
	Manifest Line Item No.: 1Generator EPA ID # -5 digit manifest document # 3Generator name and mailing address 4Generator phone # 5-8Transporter names and ID #s D-FTransporter phone # (state requirement) 9TSD name and mailing address 10TSD # EPA ID # HTSD Phone # (state requirement) 11DOT description of the waste, including hazard class, ID # and packaging group 12Container # and type 13-14Quantity of waste and units 1EPA waste code (state requirement) KHandling codes (state requirement) KHandling codes (state requirement) 16Name, handwritten signature of generator and date 17-18Name, handwritten signature of transporter and date 19Are any manifest discrepancies noted? 20Name, handwritten signature of TSD and date Number of manifests examined Number of errors						
14		- 	ers and dates of manifes Destination	Error(s)			
IVI	anifest #	Date	Destination	Litol(s)			
┝							
\vdash	,,,,,						
5. Have any exception reports been filed? (262.42) If so, did exception reports include legible copy of manifest and cover letter? Y 6. Are manifests retained for 3 years? Y							

Facility:_	ECO-	Ce	NRAL	Ops
Date:	MARCH	28,	2002	

40 CFR 262 Subpart C -- Pre Transport Requirements

1.	Does the facility accumulate the waste on-site prior to treatment or disposal? Circle applicable accumulation units: Containers Tanks Drip Pads Containment Buildings	Y <u>X_</u> N
2.	Are containers used to ship the waste off-site?	Y_X_N
3.	Are any containers on-site prepared for shipment? a. If so, are the containers appropriate for the waste? (262.30) *** FREPARED BY TRANSPORTER* b. Are the correct diamond-shaped DOT hazard class container labels used? (262.31)	Y
	c. Are containers of 110 g or less marked with the correct DOT shipping name and number? Is a label with the language required under 262.32(b) used? Is the generator's name, address and manifest document number on the label?	Y N Y N Y N N N N N N N N N N N N N N N
	d. Are placards available to be provided to the transporter? (262.33)	YN
	e. Are bulk packagings used (over 400 kg solid or 118 g liquid)?	YN
	f. Are they marked and placarded properly?	YN
	40 CFR 262 Subpart C Accumulation Requirement	ents
1.	Does the facility comply with the 90-day accumulation time limit? (262.34(a)) (Complete tank, container and/or drip pad checklists for units accumulating waste.)	Y_X_N
2.	If not, has the facility been issued an extension by the Department? (262.34(b))	YN/A
3.	Is each container marked with the beginning date of accumulation? (262.34(a)(2))	Y_X_N
4.		
	Is each container and tank marked with the words "Hazardous Waste"? (262.34(a)(3))	Y_X_N
5.	(262.34(a)(3))	Y_X_N Y_X_N
5. 6.	(262.34(a)(3)) Are satellite accumulation points used? Describe in narrative.	
	(262.34(a)(3)) Are satellite accumulation points used? Describe in narrative. Are satellite containers closed ((262.34(c)) and marked with the words "hazardous waste" or other words that describe the contents?	Y_X_N

40 CFR 262 Subpart C -- Personnel Training -- (265.16)

1.	Do facility personnel complete hazardous waste training? Comments:	Y_X_N
2.	Is the trainer adequately trained in hazardous waste management procedures?	Y_X_N
3.	Does the training cover safety?	YXN
4.	Does the training cover emergency response procedures, including equipment handling and inspection?	Y_X_N
5.	Does the training cover hazardous waste identification and handling procedures?	Y_X_N
6.	Does the facility maintain personnel training records?	Y_X_N
7.	Does the facility maintain job titles and position descriptions for employees managing hazardous waste?	Y_X_N
8.	Do the job descriptions include the requisite skills, education and experience?	Y_X_N
9.	Do the job descriptions include a list of the positions' duties?	Y_X_N
10.	Are people trained within 6 months of hiring?	Y_X_N
11.	Do they work unsupervised prior to training?	YNX
12.	Is training reviewed annually? Date of last training 10-2-01 Y X	
13.	Are records maintained for three years?	Y <u>X</u> N
	265 Subpart C Preparedness and Preventio	n _.
1.	Is there evidence of a fire, explosion or release of hazardous waste or hazardous waste constituents to the environment? (265.31)	YN_ <i>X</i>
2.	Does the facility have an internal communication or alarm system? (265.32(a))	YXN
3.	Is there a telephone, alarm, 2-way radio or other device at the scene of operations immediately available and capable of summoning assistance? (265.32(b))	Y <u>X</u> N
4.	Describe fire control equipment. Is it adequate? (265.32(c))	Y_X_N
5.		Y_X_N

Facility: ECO - CENTRAL OFF
Date: MARCH 28, ZOOZ

6.	If sprinklers, water hoses or foam producing equipment is part of the facility fire control equipment, is water available at adequate volume and pressure? (265.32(d))	Y_XN
7.	Is the emergency equipment inspected and tested periodically? Frequency? <u>annually-note</u> were overdue at time of inspection-have since been re-c	YXN erhfied
8.	Is there adequate aisle space to allow unobstructed movement of facility personnel and emergency equipment to any area of the facility where needed? (265.35)	YN
9.	Has the facility made emergency response arrangements with the following: (265.37)	
10.	Fire Department: HILLS CNTY Police: HILLS CNTY SHERIFF Hospital: TAMIA GENERAL Emergency Response Contractor: IDIVERSIFIED MARINE TECH If not, has the facility attempted to do so and is the refusal documented?	Y_X_N_ Y_X_N_ Y_X_N_ YNA
	265 Subpart D Contingency Plans and Emergency	Response
1.	Does the facility have a contingency plan? 265.51)	Y_X_N
2.	Is it at the facility and easily available? (265.53)	Y_X_N
3.)	Does the plan include: Fire Response Procedure: Spill Response Procedures: Explosion Response Procedures: A description of arrangements with local authorities: Emergency Coordinators: (Name) Addresses and telephone numbers of Emergency Coordinators: Emergency equipment list: Specifications and capabilities of emergency equipment: Locations of emergency equipment: An evacuation plan and routes: Evacuation/alarm signals:	Y X N Y X N
4.	Is the plan up to date, with no changes to the list of emergency equipment, list of emergency coordinators, applicable regulations or contingency plan failures since the last revision?	YNX
5.	Has the plan been distributed to the local police, fire department, ERT and hospital? Circle omitted authorities. (265.53)	Y_XN
6.	Is the emergency coordinator authorized to commit funds for incident response?	YN

Facility:	ECO-CENTRAL			OPS		
. –	MARCH	28.	2002			

40 CFR 262 Subpart D -- Record keeping and Reporting

1.	Is the generator keeping the following records:			
	Biennial Reports (262.41) Exception reports (262.42) Test Results:	N/A N/A	Y_X_ Y_ _Y_X	_N
2.	Where are records kept? JIM COOK'S OFFICE (1	ŧR)		
3.	Who is in charge of keeping records? Name Sin Cook			
4.	Any additional reporting, such as contingency plan implementation reports? (262.43)	on NA <u>X</u>	Y	N
5.	Are records kept for a minimum of 3 years?	Y_X	N	
-	40 CFR 262 Subpart E Exports	n/a_X_		
1.	Has the facility exported any hazardous waste?		Y	N
2.	Has the exporter notified EPA 60 days prior to the initial shipmer	nt?	Y	N
3.	Has the receiving country consented to receive the waste?		Y	N
4.	Has a copy of the EPA Acknowledgment of Consent accompanion the shipment?	ed	Y	N
5.	Did the shipment conform, and was the manifest completed as r by 40 CFR 262.54?	equired	Y	N
6.	Has the exporter received confirmation of delivered shipment?		Y	N
7.	Has the exporter submitted an annual report to EPA?		Y	N
8.	Are all records kept a minimum of three years? (262.57)		Y	N
	40 CFR 262 Subpart F Imports	n/a_X_		
1.	Has the facility imported any hazardous waste?		Y	N
2	Has the manifest been completed per 262.60(b)?		Y	N

Facility: <u>CO- CENTRAL OPS</u>
Date: <u>MARCH 28, 2002</u>

40 CFR Part 265 Subpart I - Use and Management of Containers

1.	(Check for leaks, corrosion, bulges, etc.)	Yes X	_ No
2.	If a container is found to be leaking, does the operator transfer the hazardous waste from the leaking container?	Yes X	No
3.	Is the waste compatible with the containers and/or its liner (265.172)?	Yes X	_ No
4.	Are the containers closed except when adding or removing wastes (265.173(a))?	Yes X	No
5.	Are containers holding hazardous waste opened, handled or stored in such a manner as to cause the container to rupture or leak (265.173(b))?	Yes	No X
6.	Are each of the containers inspected at least weekly? (265.174)	Yes X	No
7. 8. 9.	Are records kept including: (62-730.160 (6) F.A.C.) Date? Time? Legibly written name of the inspector? Number of Containers? Condition of containers? Notes of observations made? Date and nature of repairs or corrective actions? Comments Section Are ignitable and reactive wastes stored at least 50 feet from the property boundary? (265.176) Are incompatible wastes stored in the same containers? Are containers holding incompatible wastes kept apart by physical barrier or	Yes X Yes X Yes X Yes X Yes X Yes Y	No No No No No No No No No
10	sufficient distance? (265.35) Is there sufficient aisle space allow to allow full inspection of the containers		No
	and labels? (62-730.160(7) F.A.C.)	Yes _Z	No
	265 Subpart CC N/A		
1.	Do containers hold waste with more than 500 ppm by weight of volatile organic compounds?	Yes	No
	If so, are the containers either < 26 gallons, satellite containers or kept sealed in appropriate DOT specification containers?	Yes	No
	If not, does the facility comply with 265 Subpart CC emissions controls and monitoring?	Yes	No
2.	Which types of containers are on site? (Describe Level 2 and 3 controls in narrative Level 1 Containers (26.4 g to 121.4 g or > 121.4 g not in light material service) Level 2 Containers (> 121.4 g in light material service) Level 3 Containers (> 26.4 g used for waste treatment by stabilization)	e.) 	

Tampa Electric Company PO Box 111 Tampa, FI 33601

Tampa Electric Company

Fax

	ments:			·
□ Urg	gent 🗆 For Review	☐ Please Comment	☐ Please Reply	☐ Please Recycle
Re:	MSDS	CC:		<u>.</u>
Phon	e:	Pages	: 18 W/	COUER
Fax:	813 275 3		4-22-0	
To:	KELLY	From:	TAMPA	ELECTRIC

-22-2002 11:24AM

Tem Ain Budy Express

AGE'1 OF 4

MATERIAL SAFETY DATA SHEET

. CLEAR COTE CORPORATION 4242 31ST STREET NORTH ST. PETERSBURG, FL 33714

ITE OF PREPARATION: 01/12/95

INFO. TELE. NO: 813-823-6230

EMERGENCY TELEPHONE NO.: 1-800-424-9300

SIGNATURE OF PREPARER:

SECTION I-PRODUCT IDENTIFICATION

ODUCT CODE: LACQUER THINNER #9

ZARDOUS CLASSIFICATION: FLAMMABLE LIQUID 173,115

SECTION II-HAZARDOUS INGREDIENTS

GREDIENT	CAS NO.	 OCCUPATIONAL EXPOSURE LIMITS		
		OSHA/PEL	ACGIH/YLV	
-4-E	106-88-3	200ppin	200pp m	
ETORE	67-64-1	750ppm	740ppm	
JPROPYL ALCOHOL	67-63-0	400ppin	400ppm	
THYL ETHYL KETONE	78-93-3	200ppm	200թթո	
TYLENE GLYCOL BUTYL	ETHER 111-76-2	25ppm	25ppm	

SECTION III-PHYSICAL DATA

LING RANGE: 133-285F VAPOR DENSITY: X HEAVIER LIGHTER THAN AIR

UBILITY IN WATER: NEGLIGIBLE REACTIVITY IN WATER: WILL NOT REACT

"EARANCE AND ODOR: CLEAR, LITTLE IF ANY COLOR. CHARACTERISTIC ODOR

ISH POINT:0 DEGREES F METHOD USED: TCC AUTO IGNITION TEMP: INGUISHER MEDIA: WATER FOG ALCOHOL FOAM, DRY CHEMICAL OR CO2

CIAL FIRE FIGHTING PROCEDURES: FLAMMABLE LIQUID, POSITIVE PRESSURE NIOSH ROVED SELF-CONTAINED BREATHING APPARATUS IS SUGGESTED. COOL FIRE-EXPOSED

TAINERS WITH WATER

SUAL FIRE AND EXPLOSION HAZARDS: CONTAINERS EXPOSED TO INTENSE HEAT FROM ES SHOULD BE COOLED WITH WATER TO PREVENT VAPOR PRESSURE BUILDUP WHICH LD RESULT IN RUPTURE. CONTAINER AREAS EXPOSED TO DIRECT FLAME CONTACT ULD BE COOLED WITH LARGE QUANTITIES OF WATER AS NEEDED TO PREVENT WEAKENING CONTAINER STRUCTURE

10: STORAGE IN OPEN CONTAINER, PROLONGED STORAGE ABOVE 100 DEGREES RETIELT, EXPOSURE TO EXCESSIVE HEAT OR OPEN FLAME, STRONG ACIDS OR BASES, DILING AGENTS.

5 2 OF 4

4-22-2002 11:24AM FROM RIMARY, ROUTES OF ENTRY: INHALATION AND SKIN ABSORPTION. IGN & SYMPTOMS OF EXPOSURE: IRRITATING TO SKIN, EYE AND ALL PARTS OF ESPIRATORY TRACT. MAY CAUSE DEPRESSION OF THE NERVOUS SYSTEM. المستقلة الم EMERGENCY AND FIRST AID PROCEDURE FLUSH PROMPTY WITH COPIOUS AMOUNTS OF WATER FOR 15 MINUTES ... 'E CONTACT: SEEK MEDICAL ATTENTION IMMEDIATELY. WASH THOROUGHLY WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTH AND SEEK MEDICAL ATTENTION. HALATION: REMOVE VICTIM TO A WELL VENTILATED AREA. USE OXYGEN OR ARTIFICIAL RESPIRATION AS REQUIRED. SEEK MEDICAL ATTENTION IMMEDIATELY. CAN CAUSE TRRITATION TO THE DIGESTIVE TRACT, THIS GESTION: MATERIAL CAN ENTER LUNGS DURING SWALLOWING OR VOMITING AND CAUSE LUNG INFLAMMATION AND DAMAGE. PHYSIOLOGICAL EFFECTS AND HEALTH INFORMATION THIS PRODUCT MAY BE AN EYE IRRITANT. DIRECT CONTACT WITH THE LIQUID OR EXPOSURE TO ITS VAPORS MAY CAUSE

BURNING, TEARING AND REDNESS.

EFFECTS:

CAN CAUSE SKIN IRRITATION. PROLONGED EXPOSURE MAY CAUSE REDNESS, BURNING, DRYING OR CRACKING OF THE SKIN. CAN CAUSE DERMATITIS.

MALATION AND INGESTION: EXPOSURE TO VAPORS OR MISTS MAY CAUSE IRRITATION TO THE NOSE AND THROAT. CAN CAUSE NERVOUS SYSTEM DEPRESSION. CAN CAUSE IRREGULAR HEATBEATS. CAN CAUSE CAN CAUSE IRRITATION TO THE DIGESTIVE TRACT. THIS MATERIAL CAN ENTER LUNGS DURING SWALLOWING OR VOMITING AND CAUSE LUNG INFLAMMATION AND DAMAGE.

SECTION VI-CONTROL AND PROTECTIVE MEASURES

RESPIRATORY: NIOSH APPROVED RESPIRATOR TO PREVENT OVER EXPOSURE.

LOCAL EXHAUST AND MECHANICAL (GENERAL) EXHAUST.

ILOYES:

CHEMICAL RESISTANT SUCH AS NEOPRENE OR NITRILE TO MINIMIZE

CONTACT.

'ROTECTION: WEAR CHEMICAL GOGGLES IF THERE IS A LIKELIHOOD OF CONTACT

WITH THE EYES.

THER PROTECTIVE CLOTHING OR EQUIPMENT: AVOID PROLONGED OR REPEATED

CONTACT WITH THE SKIN. WEAR CHEMICAL RESISTANT APRON OR

OTHER IMPERVIOUS CLOTHING TO MINIMIZE CONTACT.

ORK/HYGIENIC PRACTICES: WASH WITH SOAP AND WATER BEFORE EATING OR

DRINKING. LAUNDER CLOTHING BEFORE RE-USE.

ISPOSAL:

DISPOSE OF PRODUCT IN ACCORDANCE WITH APPLICABLE LOCAL,

STATE AND FEDERAL REGULATIONS.

SECTION VII-SAFE HANDLING AND USE INFORMATION

N CASE OF SPILL: EXTINGUISH ALL SOURCES OF FLAME AND IGNITION.

ABSORB WITH INERT MATERIAL SUCH AS VERMICULITE OR SAND. SWEEP UP AND COLLECT IN CONTAINERS TO DISPOSE AS SOLID

WASTE. WASH THE AREA WITH TRI-SODIUM PHOSPHATE AND

SECTION VIII-SPECIAL PRECAUTIONS

RECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

STORE IN COOL DRY AREA AWAY FROM SOURCES OF IGNITION. USE EXPLOSION PROOF EQUIPMENTS. OPEN CONTAINERS SLOWLY TO RELIEVE

ANY INTERNAL PRESSURE. USE WITH ADEQUATE VENTILATION.

IT SHIPPING NAME: PAINT RELATED MATERIAL, UN 1263

ZARO INDEX: HEALTH:

FLAMMABILITY:

REACTIVITY:

!!!KEEP OUT OF REACH OF CHILDREN!!!

E INFORMATION CONTAINED HEREIN IS BASED ON TECHNICAL DATA WHICH WE BELIEVE TO RELIABLE, HOWEVER, SINCE THE CONDITIONS UNDER WHICH THIS INFORMATION MAY BE PLIED ARE BEYOND OUR CONTROL, WE CAN ASSUME NO LIABILITY FOR RESULTS OF ITS PLICATION. THE INFORMATION SHOULD BE USED ONLY BY PERSONS HAVING SUFFICIENT SHNICAL SKILL TO MAKE INFORMED JUDGEMENTS REGARDING ITS APPLICATION.

PAGE 4 OF 4

THE FOLLOWING SECTION X- SECTION 313 TOXIC CHEMICALS IS A PERMANENT PART OF THIS MATERIAL SAFETY DATA SHEET. IT IS NOT TO BE DETACHED. ANY COPYING THE PROPERTY DATA SHEET SHALL INCLUDE AN ATTACHED TOK. OF THIS NOTICE

CON LUX MATERIAL SAFETY DATA

SECTION I

DATE: 02/09/93

MANUFACTURER'S NAME: CON-LUX Coatings, Inc.

STREET ADDRESS: 226 Talmadge Rd. Edison, NJ 08818-0847

EMERGENCY TELEPHONE NOs:

Monday-Friday / 8:30am - 5:00pm: 908-287-4000

Off hours, Weekends, & Holidays: CHEMTREC 800-424-9300

PRODUCT CLASS: SILICONE ALKYD ENAMEL

TRADE NAME:

STEEL-MASTER 942-90 PADMOUNT GREEN

SECTION II - HAZARDOUS INGREDIENTS

INGREDIENTS TITANIUM DIOXIDE	! BY ! ! WT ! OEL		VAP E mmHg 20C
(AS NUISANCE DUST) CAS NO. 13463-67-7 MINERAL SPIRITS	!>1% !10 mg/m3 ACGI ! !10 mg/m3 OSHA	H-TLV ! !	0.0
CAS NO. 8052-41-3	!>1% !100ppm OSHA-P ! 100ppm ACGHI-	EL !1.0!	2.0

* Material Regulated Under SARA Title III, Section 313

SECTION III - PHYSICAL DATA

BOILING RANGE: 210 - 369F

EVAPORATION RATE: SLOWER THAN ETHER

VAPOR DENSITY: HEAVIER THAN AIR % VOLATILE WEIGHT PER

BY VOLUME: 54.33 GALLON 8.13

TECO 585 4500 Paint, Green Mussell 764 3.29/1.5 for padmount Transformers Page los 4

CON-LUX MATERIAL SAFETY DATA

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

DOT CATEGORY: COMBUSTIBLE LIQUID

FLASH POINT: 105'F TCC

LEL: SEE SECTION II

EXTINGUISHING MEDIA:

Foam, CO2, Dry Chemical, Water Mist. UNUSUAL PIRE AND EXPLOSION HAZARDS:

Contains flammable solvent. DO NOT use in areas where sparks or open flames are present.

SPECIAL FIRE FIGHTING PROCEDURES:

Smother flames with one of the above extinguishing media. be used to cool down unopened containers in vicinity.

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE See Section II

EFFECTS OF OVEREXPOSURE:

Irritation of eyes and skin may occur with overexposure. ACUTE: Continued breathing of vapors may irritate respiratory

tract causing headache, nausea and dizziness.

Reports have associated repeated and prolonged

overexposure to solvents with permanent brain and nervous

system damage.

EMERGENCY AND FIRST AID PROCEDURES:

INHALATION: Remove to fresh air. Restore respiration if necessary Treat symptomatically.

EYE CONTACT: Flush immediately with copious quantities of water for 15 minutes minimum. Consult a physician.

DERMAL CONTACT: Wash affected areas with soap and water. Remove contaminated clothing. Consult physician if

irritation persists.

INGESTION: Drink 1 or 2 glasses of water to dilute DO NOT INDUCE VOMITING. If spontaneous vomiting occurs keep head at or below knee level to prevent aspiration into lungs. Consult physician or poison control center immediately.

PRIMARY ROUTES OF ENTRY: Inhalation and dermal contact

TARGET ORGAN EFFECTS:

May Affect:

DERMAL SYSTEM

NERVOUS SYSTEM

TECO 585 4500 Page 2 04 4

CON-LUX MATERIAL SAFETY DATA

PRODUCT CODE 942-90

SECTION VI - REACTIVITY DATA

STABILITY: Stable

INCOMPATIBILITY (Materials to avoid):

Oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS:

May produce hazardous fumes when heated.

HAZARDOUS POLYMERIZATION:

Will not occur.

CONDITIONS TO AVOID: Extreme heat, sparks or open flames.

SECTION VII - SPILL AND LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Eliminate all ignition sources. Wear appropriate personal protection equipment and approved respirator. Prevent material from contacting any water sources or sewers leading to surface waters.

WASTE DISPOSAL: Dispose of in accordance with Federal, state and local regulations.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: In outdoor or open areas, where sufficient ventilation has been determined to exist, a respirator is generally not required. In restricted ventilation areas, a NIOSH/MSHA approved organic vapor respirator is recommended. During spray application, a respirator providing both organic vapor and spray mist protection is recommended unless engineering controls are adequate.

VENTILATION: In confined spaces mechanical ventilation is required to keep the air contaminant concentration below current applicable OSHA permissible exposure units.

PROTECTIVE GLOVES: Impervious type required for long or repeated overexposure.

EYE PROTECTION: Use safety eye wear to protect against splash of liquids.

OTHER PROTECTIVE EQUIPMENT: Prevent prolonged skin contact with contaminated clothing.

HYGIENIC PRACTICES: Wash hands before eating, smoking or using washroom

TECO 585 4500 page 3 of 4

CON-LUX- MATERIAL SAFETY DATA PRODUCT CODE 942-90

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Store in areas designed to comply with ANSI/NFPA 30 Flammable and Combustible Liquids Code. OTHER PRECAUTIONS: Ground containers when pouring liquids and powders to avoid static charge build up. Do not handle until manufacturers safety precautions have been read and understood. Provide adequate ventilation or respiratory protection to remove decomposition products during welding or flame cutting coated surfaces.

To the best of our knowledge, the information contained herein is accurate. However, CON-LUX Coatings, Inc. assumes no liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards

TELO 585 4500 page 4 of 4

COATINGS AND RESINS GROUP PPG Industries, Inc.

DCC MSDS #1

PETION V. SHINCAL, PROPERT, AND COMPANY INCREMENTS

DCC PRODUCT CODE/IDENTITY: REVISION BATE: 02/18/99 | F: 0000 CUSTOMER PART PINAME: Nine analogis PRODUCT TRADE NAME: CONCEPT ACRYLLE UPSTHANS CHEMICAL PARMLY: ACRYUT (304) \$43-1300 (U.B.) ENGROPHOY MUDICAL/SPILL (NPO: 81-800-00-214 (MEXICO) TECHNICAL AMEGINA TION: 1480 675 28B0 PRODUCT SAFETY/MEDS INFORMATION: eggs Recently USIVE, FO, 60% 8 ALLSON PARK, FA 10101 410 411-048 DATE OF MADS PREPARATION: 08VT 2008

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THIS MATERIAL SAFETY DATA SHEET HAS BEEN PREPARED IN ACCORDANCE WITH THE OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910-1200), THE SUPPLER NOTIFICATION REQUIREMENTS OF SARA TITLS III. SECTION 313, AND OTHER APPLICABLE RIGHT-TO-KNOW RESULATIONS.

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	With 10 opens		WIT PYTAL	

⁵ Careinegens: O = ÓSHA: A ≈ ACOH! N = NTP; I = IARC

SARA TITLE III & CERCLA CLASSIFICATIONS

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SARA 311/312 CATEGORIES FOR THIS PRODUCT: ACUTE - Y, GERONIC - Y, FLAMMABULTY + T, PRESSURE - N. REACTIVITY - N OCCUPATIONAL EXPOSURE LIMITE HAVE BEEN ESTABLISHED FOR THE

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[C. Celleg Limit; S-Parential San Absorption; R-Responsib Dust) (NOT 55T+4 10T ESTABLISHED = NOT APPLICABLE)

PRODUCT STATUS RELATIVE TO THE U.S. EPA TOXIC SUBSTANCIES

CONTROL ACT

all chemical substances in this product are listed on the U.S. TSCA inventory or are otherwise exampt from TSCA inventory reporting regularments.

BETTER TO WELCOMO WENTER A FICH

ENTECTS OF OVEREXPOSURE FROM:

** INGESTION: Marmital if greatle state. Small take of this product may be reamined in newtonic small way.

-EVE CONTACT! Gauss save we wateror.

- BRIN CONTACT: May - many -mades are abin irritation. May be absorbed through the titul Proporting or expection contacts may become an allergic abin redomen

NHALATON: Vetor end/or corey must may be harmful if inhales. Vecor minister every.

Note, and threat, Sanding and grinding dusts may be harmful if inhales. Researed entered to high vecor condentiations may course includes of the resources everywhen and commission train and nervous system damage.

-UnRONG OVEREXPOSURE: Avoid long-time and repealed contest. This product serving an emylena saries giyosi sarar arailor ecerate when nas basin shown is decise saverse offects on the kidneys, liver, blead analor sloud-terming traus. This product continue o di tturi deline. Arismats instaling mapikva quantitias of intersum delines dust in a singed lung turners. Studies with humans involved in manufacture of torn-term study deviid nak ar cancer from augulauts. Perchapt for innalation of the agreem indicate to more riçaminis ilminish dusis frum usetinge iş vary limites, Şincə oversipomines inc emi expected, there is no eigreficent hazard for man. The product contains a rickel compound, IARC classifies record corresponds as concrespond to burners, $N^{\rm CP}$ denotings. that metallic nickel and curtain against rectal compounds are carcinogenic. This product contains styrene which has been classified by the interrubene Agency for Research an Cancer (IARC) as a Class 28 carcinggen. This classification is belief on data ontained by and laboratory aremate to electric duids. The systemos that brytem is a burnar corpropert is madequate. This product contains carbon black which has been folds us IARC 29 catchingen due to animal data. Ethyllamistics has geen reported by NTP to course bender in labelatory mismale following a district (2 year) introletion expensive. Chief invers of 75, 350 and 750 opin were used, with evidence of decompaniony tourid in the Edition of two and the lung and lover of mice of 750 ppm. The No Observed Circuit Level [NQEL] was 75 ppm. The reservance of mass treatings to humanic is uncorrow, but ANDICOTIONS SATERAGE MEMORY DE MINDEREN TO FRANCE OF BIRTHAGE (PRESENTE PERMITTE IN attivibanzana, High saaddulee ta Hyleneu in series divinal ytudius harb bear (discribed to GRAND PRINTED REFLECTS OF THE GENERALING STREETS AND FRANCE, Threet affects were lifted at levels to the mather. The eighticance of frees firstings to humans has not been



Product Code: DCC

. Revised: 08/18/99, Prepared: 08/19/99, Page 2

contains advises which has been classified by the International Agency for Research on Center (IARC) as a Class 28 cercesogen. This classification is based on days statisted by expecting later software to styring a local to extend on the anticological particle of the evidence that styring is a number cercinogen is inadequate. This product contains carbon black which has been recorded at IARC 28 cercinogen due to askeed days. Ethylbertourse has been recorded by NTP to cause current in teleprisons since to askeed days a chronic 12 years inhelation exposure. Once levels of 79, 250 and 750 ppm ware used, with evidence of cercinogenicity found in the following of rest and the large and liver of mice at 75 ppm. The No Commond Effect Level NOELL was 75 ppm. The relevance of thems findings to harriers is uncertain, but appropriate sateguards should be employed to reduce of eliminate internation exposure to except anyther restricted in the common to the reserve that it is not the reserve of the same reporting to come restricted on the developing employed and feeture. These effects were effect at these tests to the morror. The significance of tests findings to humans has not been constituted.

STONE AND SYMPTONES OF DVERBXPOSURE, Contains tend, Last pointering in muracterized by a macella case in the mouth, loss of aspects, independent, massle, varieting, constitution, electrical cramps, disturbance of next area steep, and weathness. Onise firm of this product may be harmful if channess or awaltowest. Eye wasterines, handselves, messes, direction, and loss of coordination are indications and carrent travels are too high, intendentel misses by defiberation operations and visual infection that contents can be harmful or total. Redwest, inching, surpring carrenters and visual describeration with indicate examines are contact. Oryming, justing, arealing, independent and carrents, and swelling are carefibers associated with excessive skin content.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Not applicable.

WARNING: This product contains a chemical(s) known to the State of California to cause cancer and birth defects or other reproductive harm.

THE STREET STREET

- with a gainte scream or rule warm water for at laset 15 mirutes.

 SEIN CONTACT: In case of skin correct, flush immediately with planty of water for at laset 15 mirutes, followed by wateriess have clearer and sole and water if the material
- appears to solvers to skin.

 <u>aNMALATION:</u> If affected by inheliation of vapor or equity mist, remove to fresh sir. Apply artificial respiration and other support measures as required.
- <u>a CTHER</u>: If inguistors, any type of presexposure or symptoms of overessistance occur thiring or following the use of this product, contact a poleon control centre, emergency from or physician immediately; have Mattriel Safety Deta Street information prolifetie.

SECTION SCHOOL SERVICES

FLASHPONT; 40 Degrees F (4 Degrees E) (FENSEY-MARTENS CLOSED CUP)

Upper explosion times (UEL): Nos evenishte

- EXTINGUISHING MEDIA: Use National Fire Protection Association (NFPA) Class 6 satinguishmen (carbon dicerds, dry chemical, or universal soussus film forming faum) designed to entinguish NFPA Class III Rentmable liquid lines.
- <u>-UNIVERSAL FIRE AND EXPLOSION MAZAROS</u>: Keep this product away from host, sparts, flame, and other expense of ignition (i.e., pilot lights, alsotric motors, static decimate). Invisible vasors can trivial to a source of ignition and flash back, Do not smoke while using this product, deep containers tightly closed when not in use. Cleans containers may explode when not in use, Cleans containers may explode when overheads to Do not apply as her surfaces. Topic gases may form when this product comes in our text with extrate their.
- <u>sPECIAL FIRST PIGHTING PROCEDUATES</u>. Water agray may be ineffective. Water agray may be used to cool closed containers to prevent present a little-up and possible autophtion or explosion when apposed to extreme read. If water is used, fog notation preferable, Piro-fighters should wear self-contained treathing opportunity and full protective closures.

CHARLES AND COMMENTAL HOUSE, CONTINUES.

- <u>-WASTE DISPOSAL METHOD:</u> Weste material must be dispused of in accordance with federal, steep, provincial, and liquid environmental control regulations. Empty containers about be recycled or disposed of through an asproved waste management fedfity.

THE COURT OF THE PROPERTY OF THE PARTY OF TH

- MANDLING AND STORAGE PRECAUTIONS: Do not abore more 120 cegnum #.(48 degrees C.). Store large questries in buildings congress and protected for storage of NFPA Class 16 flaminable fliquids.
- OTHER PRECAUTIFIED; Vegore may collect in low amou. If this metanal is part of a multiple component everent, read the Material Salary Oats Sheetla) for the other components or components before blending at the resulting mixture may have the heatened of all of its parts. Containers about be grounded when country, Avoid free fall of liquids in assembly of the few halfs of the interest. On rect qualty on these or other children's articles, harniture, or

interior surfaces of any dwelling or facility. On viet apply on those attorior surfaces of any dwelling white, such as windowells, porches, etwis, or relings to which children may be community automat, Wash thoroughly an

PERSONAL PROTECTIVE EQUIPMENT POR:

- <u>PYR PROTECTION</u>; Wear charminal-type spleath googles or full from altimat when paraministry splens for any conspect dust to splanshing or sprawing lexitid, privative particles, or vistors, -6KIN PROTECTION; Wear pretective clothing sufficient to cover expenses after sufficient Fey applications when skip consects is likely and importantly continued to receiver, select
- electing consignated at response mixture or whith mixture, No specific permanentalization testing have been done an protective costning for the process. Assortencedations for skin procession are based on infrequent context with the product. For frequent company or total immersion, context a materialization of protective distring for
- Appropriate channing impervious statements,

 __RESPIRATORY_PROTECTION: Oversignature to vispore may be prevented by antaling proper vertilation committee value and the proper vertilation committee value operations of reals are enough or a positive-protected at partitying requirator may also recover channing the transported requirator may also recover examines. Read the respirator manufactures instructions and literature controlled to destrain the type of attainment controlled value.

 The respirator is affective, to directions, and from it is to be properly fitted and

FOTHER EQUIPMENT: Clean contaminated clothing and shoop.

VENTILATION REQUIREMENTS: Provide general dilution of local extraors ventilation in volume and pattern to have the consistration of ingredients listed in Section 2 below the lowest suggested extraors timing, the LEL colors are stated limit, and to remove decomposition products during wetsing or have carding.

(FORMILA VALUES, NOT GALES SPECIFICATIONS)

BORLING RANGE: 160- AT SDegrees F 95
VAPOR PRESSURE: 5,4 min/g W/
VAPOR DENGTT: Heavier than at 2H
K VGLATILE/VGLUME: 49-86 SPECIFIC SRAVITY: 1.088 EV

SOLUBLITY IN WATER: 2.2 % WEIGHT/GALLON (LBS); 8.80 (U.S.)

THE NOT ADDICATED BY WEIGHT: 43-68

SPECIFIC GRAVITY: 1,000 EVAPORATION RATE(BLCIAce = 100): 84

ODOR/APPEARANCE: Viecuus libuid with an odor characteristic of the solvento librad in
Section 2.

RECURSOR OF STATE OF A STATE OF A STATE OF

- This product is remained espite and will not undered horseware relations.
 —INCOMPATIBILITY (MATERIALS AND CONDITIONS TO AVOID); High consentrations of abovers due may lights explosively. All ignition sources enquid be abovered when this product is disposed in eir. Avoid context with extents aliables, extent mineral acides, or strong oxidialing agency.

Heterdous Metwisk kuntification System (HM)SI and National Fire Protection Association (NPPA) Retings:

HMIS Bacting		MEDY BASING	
		44448977777	
HEALTH	3=	HEYTIH	2
FLAMMAB EL1TY	3	PLANCE ILITY	3
REACTIVETY	3	(#STABEL)TY	J

Rating System;0 = Minimal, 1 = Slight, 2 = Moderata, 3 = Sanous, 4 = Severe, * = Chronic Sharts

Sale handling of this product requires that all of the information on the MSD9 in evaluated

for apacific wors are increments and conditions of use.

THIS IS THE END OF THE MEDS

(DO150893.002DCC-2)



Manufactured and Supplied by: REFINISH PRODUCTS 19699 PROGRESS DRIVE STRONGSVILLE, OH 44136

MATERIAL SAFETY DATA SHEET COATINGS AND RESINS GROUP

PPG Industries, Inc.

SECTION 1 CHEMICAL PRODUCT, AND COMPANY SHOWING YES

PRODUCT CODE/IDENTITY.

DP401LF

REVISION DATE:

12/02/97 1000 0000

CUSTOMER PART AMARE. PROBLICT TRADE NAME:

EPOXY PRIMER CATALYST

CHEMICAL PASSEY

EMERGENCY MEDICAL/SPILL INFO:

(30s) \$43-1300 (U.S.)

PI-STO-OF-216 (MEXICO)

TECHNICAL INFORMATION: PRODUCT SAFETY MISOS INFORMATION

(440) 577,2800

A325 FORANNA DRIVE, P.O. BOX 3 ALLISON PARE, PR 16101

(412) 452-55CE

DATE OF WEDS PREPARATION:

07/18/98 THE WARREN

IL STA MEN MATERIA OF INVIOUS CO MAR STARE SAITING regimments, note and private research and the second services and the second services and services are services and services and services and services are services. or ago interior. May be harmful if abandont through the user, Brainnant as my

THIS MATERIAL SAFETY DATA SHEET HAS BEEN PREPARED IN ACCORDANCE WITH THE DEMA MAZARD COMMUNICATION STANDARD 129 CFR 1810.12001. THE SUPPLIER NOTIFICATION REQUIREMENTS OF SARA TITLE III. SECTION 312, AND OTHER APPLICABLE RIGHT-TO-KNOW REGULATIONS.

BESTRON R. COMPOSITION WINDWATCH ON MICHEDENTA

REF	MAZARDOUS INGREDIENTS	PERCENT	CAS NUMBER	CARCINOCEH*
••				******
30	MÉTHYL (M-AMYL) KEÝČNE	20 - 30	110 43 9	
92	2-BUTOLY (TIGNOL	5 - 410	111-76-2	
03	EYLFEES	10 - 20	1330-20-7	
æ	130000P/L ALCO-OL	510	67.63.0	
05	POLYAMIDE RESIN	20 430	68410-23-1	
96	GKO-HEDYUL ACITATE	1050	90438-79 2	

* Carcinogens: O - OSHA: A - ACGIH: N - NTP: 1-IARC

SARA TITLE HI & CERCLA CLASSIFICATIONS

				ĭ	ARD.	31	1/3	12
ref	SARA 102 RD (LBS)	SANA JOZ TPQ (LOS)	2484 317	ĄÇ	Č4	F١	PR	٩Ę
• • • •						٠.		• •
O1	MDT (3TAB)	MOT ESTAB	R	۲	N	T	×	
02	MOT ESTAB	NOT ESTAB	٠	۲	۲	Y	Ħ	Ħ
63	100	MO1 ESTAB	Y	٧	N	į	N	H
D4	MOT ESTAB	NOT ESTAB	ħ	7	N	۲	И	N
05	MOL CLING	NOT ESTAB		٢	A	N	N	Ŋ
å¢.	MATES TOW	04723 70m	H	•	я	Ŧ	N	

SARA 311/312 CATEGORIES FOR THIS PRODUCT: ACUTE . T. CHRONIC . T. FLAMMABILITY = Y, PRESSURE = N, REACTIVITY = N

OCCUPATIONAL EXPOSURE LIMITS MAYE BEEN ESTABLISHED FOR THE FOLLOWING MATERIALS:

•		ACCIH U.S. OSHA			
Ψ£÷		TLV:THA	TLV-STEL	PEL-THA	PEL-57EL
01	: 11	50 000	MOT ESTAB	100 pp=	ACT ESTAS.
02	\$.	25 app	MOT ESTAB	5 - 25 pp	MOT (STAR
93		766 66 4	157 ppn	160 ppm	150 pps
54		460 pon	500 pp-1	400 pp-	500 pp-
0 5		MUT ESTAB	EDTZ3 10H	NOT ESTABLE	WOT 45168
36		MOT FSTAG	ADT 25TAB	NOT FSTAR	NOT ESTAB

(E- Celling Limit: S- Patential Skin Absorption: A. Respirable Dust) (NOT 85TAR. - NOT ESTABLISHED = BOY APPLICABLEL

PRODUCT STATUS RELATIVE TO THE U.S. EPA TOXIC SUBSTANCES

All chemical substances in this product are listed on the U.S. TSCA

inventory or ere otherwise exampt from TSCA inventory reporting

EASTERNATION TO TAKE A TOTAL PROPERTY OF THE PARTY OF T

EFFECTS OF OVEREXPOSURE FROM: -INSESTION: Hermful or fesst if swellows

SEYE CONTACY: Causes severa eye krhetion

GRIN CONTACT: May cause moderate skin pritation. May be harmful if absorbed through the elem. Prolonged or reseated contact may cause an ellergic elde reaction

-INMALATION: Vapor and/or spray mist harmful if inhaled, Vapor infrates eyes, nose, and ried exposure to high vapor concentrations may cause initiation of this respiratory system and permenent brain and revous system demage

- CHRONIC OVEREXPOSURE: Avoid long-term and repaired contact. This product contains an emutane sorial giveni ather end/or acetere which has been allown (0 ceuse allowles efforce on the kidneye. Ever, blood and/or blood forming fleeur

SIGNS AND SYMPTOMS OF OVEREXPOSURE: EVE WELDING, HORDISHES, ANDERS. res, and like of coordination are indications that advant levels are too high. interstance include by deliberately concentrating and invaling the corrects can be harmful or fatel. Redress, Itercag, burning sensition and visual disturbances may indicate exceptive ave contect. Orymous, liching, crecking, burning, redness, and swelling are conditions appaciated with excessive skin contact

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Non applicable.

SECTION 4. PRIST ARE MEASURED

HINGESTION: If emangered, do not induce varieting. Gently wipe but make mouth to remove any residual material.

FEYE COMPACT: In case of eye compos, remove consect tempes, flush eye birmediately with # gentle streem of white water for at least 30 minutes.

+SKIN CONTACT; In case of ewa-contact, high immediatory with planty of water for at TOROWED by westman with some and water.

atMHALATION: If effected by inhalation of vapor or seray mist, remove to fresh inc. Apply artificial respiration and other support mesourisi 48 required.

- OTHER: If ingestion, any type of everexpeasure or symptoms of overexpeedra eccur during ng the use of the product, contact a policon commit denter, emergency room or physician immediately; nove Motoriol Bafoty Data Sheet Information systable

SECTION TO PURE HOLD THE PERSONS IN A REAL PROPERTY.

*FLASHPOINT: 40 Degrees # 14 Degrees GI (PENSKY-MARTENS CLOSED CUP)

-FLAMMABLE LIMITS: LOWER BROWGED HIMS (LEL): 1-5

Upper suplemen limit (UEL): Not everlable

- EXTINGUISHING MECHA: Use National Fire Protection Association (NEPA) Class B extraguientes (carbon dioxide, dry chemical, or universal aquecus film forming found) designed to varinguish NFPA Cleek III fiammeble liquid titles.

DUNUSUAL FIRE AND EXPLOSION HAZARDS. Keep this product sorby MOM ROOK sparts. flame, and other sources of ignition (i.e., pilot lights, electric morors, exerc electricity). invisible vapors can travel to a source of ignition and flash back. Go not amake within using this product. Keep containes (giftly closed when not in use. Closed contained may amplieds when overheated. Do hat easily to not surfaces. Tools gases may form when this product comes in contact with extrame fast

-SPECIAL FIRE FIGHTING PROCEDURES: Werey covey may be ineffective. Water spray may be used to cost closed containers to prevent preseure build-up and possible automorphism or employion when exposed to extreme heat. It weren's used, for notices are preferable. Fire-fighters should were self-concerned treathing experates and full protective clathon.

SECTION & - ACCIDENCAL RELAXISM MERCHANISM

STEPS TO BE TAKEN IN CASP MATERIAL IS RELEASED ON SPILLED: PI mannel equipped with probat 1660-1860/y. Skin. and eye protection abouted by semistred in the tree. Remove all sources of ignation. Take up spilled material with sand, varmiculite, or other no+bork@ushible absorbant material and place in class, empty compliants for disposal. Only the spilled material and the assurbant should be DIRECTOR AND DOCUMENT.

WASTE DISPOSAL METHOD: Weste material must be disposed of in accordance with federal, state, provincial, and local emirgramental control regulations. Empty contain should be recapled or disposed of through an exproved weate management facility.

SECTION T. HAMPLING AND STUMES

MANDLING AND STORAGE PRECAUTIONS: Do not store above 120 degrees P.148 degrees C.J. Store large quantities in buildings designed and protected for express of NFPA Clous IE flammatur squies.

-OTHER PRECAUTIONS: Vepore may political in low press. If (his majorial is part of a multiple component system, used the Material Safety Date Sheetis) for the other



Menufectured and Supplied by:

19699 PROGRESS DRIVE STRONGSVILLE, OH 44139

SECTION 1 - DESIGNAL PRODUCT AND COMPANY PURPATION

PRODUCT CODE/IDENTITY.

00402

REVISION DATE:

12/19/97 10001 9909

CUSTOMER PART FRAME PRODUCT TRADE NAME:

FROMY PRIMER CATALVET

CHINICAL PARKET

~6"

EMERGENCY MEDICALISPILL INFO:

(3536) #43-1300 (U-9.)

TECHNICAL INFORMATION.

∮1-фрф-фр-фт-а тмерхі€Фі

PRODUCT SAPETY/MEDS RIPORMATION: +325 HOSANIA DRIVE, F.O. MOS &

161 ZL 482-6145 92/21/E

DATE OF MADS PREPARATION:

PRIMARY NA AND PERSONS

Exception, East, amore from host, matches, flarmas, and other abunded of species. Do not propose Extrapant of flyings and page Spirits Turn off atones. Addition statement resource, and other amores of species during yng yngs ph usganstadors are gerre. Harmfur if awateurige. Me'r ta corrigaes. This y red which causini Mih Quille. This shellet dehesins a thisistial white causes inves and the paid. Variety profiler arrays read their his hornelest of behalad. Yes

HOSE AND PRINCIPAL SAFETY DATA SHEET HAS BEEN PREPARED IN ACCORDANCE THITH THE USHA MAZARD COMMUNICATION STANDARD 129 GFR 1919.12001. T SUPPLIER NOTIFICATION REQUIREMENTS OF SARA TITLE III. SECTION 315, AND GTHER APPLICABLE MIGHT-TO-LNOW REGULATIONS.

|--|

REF	HAZINDOUS (NORODIENTA	PERCENT	CAS MINDER	CARCINECEN*
• • •				• • • • • • • • • • • • • • • • • • • •
01	CTUTL BENZENE	l5	100-41-4	
92	DEFINATION CLACK MENDELSHIF ENGLE	10- 450	181-98-2	
.07	TOLUE 45	10. =30	108-80 J	
74	METHYL (NAMYL) KETOME	5 - 40	118-42-B	
05	H-BUTTL ACETATE	1 - 45	173 · 84 · J	
06	Z3R3JYA	(· 43	1330-20-1	
07	ALIMATIC ANIBE RESIN	1 . •5	31326.29-1	
08	IZONADALF W.CONOF	76. cg	41.83.5	
99	N-BUTYL 4LEONOL	1 45	71-39-3	
10	METHYL ETHYL KETONE	10. <20	79-93-2	

^{*} Carcinogens: 0 = 08MA: A = ACGIN: N = NTP: 1 = 1ARC

SARA TITLE IN & CENCLA CLASSIFICATIONS

	Allian Highling Branchage and an inches								
					3	100	31	1/3	12
C.	SAKA 103 CO (L55)	ZARA	307 TV3 (185)	34R6 313	e,	Çн	۴Ļ	PE	RE

al .	1000	4 €T	[[]]	•	•	1	•	h	
12	mos garag	MOT	ESTAR		Y	A	ì	N	N
39	1906	-01	(374)		٧	k,	٠	•	i.
μ	MOT ESTAB		(STAE	N	1	R	٧	N	
96	5000		ESTAE	N	r	•	٠	N	5
25	100	MÔY	(STAL		٠	N	٠	4	*
57	MAT ESTAB		ESTAB	N	+	W	ĸ	N	
26	NOT ESTAB	MOT	ESTAB	No.	¥	4	7	M	W
19	5000	יקש	SAICS		١	ĸ		R	•
18	1800		(STAR	*	¥		7	١	٠

SARA 331/312 CATGOMES FOR THIS PRODUCT: AGUTE® Y. CHRONIC # Y. PLANMABIUTY - 4, PRESSURE - N. REACTIVITY - N

OCCUPATIONAL EXPOSURE LIMITS HAVE BEEN ESTABLISHED FOR THE FOLLOWING MATERIALS:

		· A5	ži=	U.S (75144)				
#Es		Tt v. Tell	TLY-STEL	PEL TER	PEL:STEL			
91		106 see	125 pe=	100 004	125 00=			
92		100 gga	150 oor	190 ggm	150 pp			
03	5	\$4 000	MOT ESTAB	148 00-	3\$0 ppm			
34	٠.	SU SOM	40° (5744)	100 mm	NOT ESTAB			
05		150 pps	709 po=	150 ppn	Zyd com			
96		100 pp= -	150 000	100 00-	150 co-			
67		84723 TOP	NOT ESTAB	ROT ESTAB	MATES TON			
40		400 pgs	500 ppr	400 ppm	580 pan			
40	C S	30 pp	TOT (STAR	¢-\$-\$0 pp=	NOT ESTAB			
16	- •	200 00=	350 po=	200 00-	300 oz=			

19EL "... 40" ES"AE

1961 5761 250 ppm

(C. Carling Limit, C. Posential Sun Absorption; A. Respirable Dust) (NOT ESTAB. - NOT ESTABLISHED - NOT APPLICABLES

PRODUCT STATUS RELATIVE TO THE U.S. EPA TOXIC SUBSTANCES

CONTROL ACT

.

All chemical substances in this product are listed on the U.S. TSCA inventory or are otherwise exampt from TSCA inventory reporting

SECTION 3 - MAZAROS IDENTIFICATION

EFFECTE OF OVEREXPOSURE FROM:

- iNGESTION Hamily of smaller

BAE CONTACT: The product contains a material which couses interwalible life distribution *SKIN CONTACT May be corrosive. This product contains a material which causes skin Durne, May be absyrbed through the akin

-MHALATIÖN; Yappr engigi eprey milit may be narmful if infibilid. Vabor inflates eyes. nose, and threat. Reposted exposure to high vapor conductions may exust antimism of the resolutions existent and themisters press and services system di

-CHRONIC OVEREXPOSURE. Avea long-term and recessed compact. This product contains macry: etnyl terone (MEX). MEX has been shown to could minor embryotoxic/letotoxic effects or laboratory animals exposed for prolonged particles of high concernmental Via inhalpton. The potential to suman exposure to high concentrations is supported to be low But to the utilating offsets of MEE at tow concentrations. This product Contains follows. Tolyang uniqueon in grumpy (greater man 1500 pare) and interfronzi inhabition of romereng products by humans talg. glust has couled adverse fals develop effects. Employees has been reported by NTP to cause current or laboratory invittels tollowing a chronic (Z year) inhetetion suposture. Done levels of 75, 250 and 750 sism were used, with evidence of carcinogenicity toung in the kloness of ress and the lung and tives of mice at 750 ports. The No Observed Effect Level INGELS was 76 ports. The relevance of three charles to numera is uncorsel, our expropriets seferive in their by employed to reduce or eliminate inheletion successive to ethylberishts.

SIGNS AND SYMPTOMS OF OVEREXPOSURE: Ere welling, he dizziness, and loss of coordination are implications that solvent levels are too high, nel misuse by deliberately concentrating and infulling the contents sen be heimful tr fatal. Represa, itching, burning sensation and visual disturbaness may traineds these ave consect. Dryncza, Rening, Erectorig. burning, rednese, and empling are conditions. ASSOCIATED WITH EXCESSIVE NAM CORRECT

AMEDICAL CONDITIONS AGGRAYATED BY EXPOSURE: NOT SPONGED IN

WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm-

PLATE THE REPORT OF THE PERSON NAMED IN

- INGESTION: If amanowed, give one to two Hart outer places of water, but do not as vormiting. Genety wasy out which mouth to remove any feetbulk marketic.
- -EYE CONTACT: In case of one contact, ramove contact lenses, flush ave entred ansurem Of, Jacqui se not spage mayor to making places
- SKIN CONTACT: In case of suit contest, flush immediately even plerty of sesser for as least 10 minutes, followed by electrique hand cleaner and appeared water if the meteror appears to agrees to sten.
- o inmalation: It official by inhelition of year or easy mile remove to fresh sir. Apply prohips regargeon and other support measures as required.
- * OTHER: If ingression, any type of overexposure or symptoms of overexposure occur during OF CANDARD CHE USE OF THIS GROOUSE, CORRECT & POLICE COMPAN COMPAN COMPAN OF PROPERTY PROPERTY OF physician immediately; have Material Salety Data Sheet Information everyte

CALLED A SAME SECURIOR SECURIO

- FRACHPOSHT: 34 Degrees F (2 Degrees C) WENSLY-MARTENS CLOSED CUP
- FLAMMAGLE LIMITS: Lower supposion brest [LELI: 1.7
- Upper expegator limit (UEL); Not available
- Extringuismins MEDIA: use Haronal Fire Protection Association (NEPA) Clima & EXCHAGUISTURE (COPON CLOSINGE, BY CHARMES), OF UNIVERSEL SQUADLE THRE FORMING TOWNS designed to accordable REPA Class 18 Nammable I guid I Mas.
- -UNUSUAL FIRE AND EXPLOSION MAZAROS: Keep this product times from reat, sparis. Tierre, and other sources of garden (i.e., gilbt lights, electric motors, static electricity).



Manufactured end Supplied by:

REFINISH PRODUCTS

19698 PROGRESS ORIVE STRONGSVILLE, QH 44138

THE REAL PROPERTY OF THE PROPE

OPEOLF PRODUCY CODE/IDENTITY: daha terapa secesa dan s HEVISION DATE: CUSTOMER FART SMAME: ENDRY INWERLIGHT GAA: PRINCIPLE TRACE MAME: CHENTRAL PARILY SMERGENCY STEDICAL/GPILL WFG: 13641 443, 1365 (LLE) 91.400.00.214 IMEXICO 1440# \$72-260D TECHNICAL MIFORMATION: 4325 HOSANNA ORTYE, F.D. 99% 9 ALLIEGIN PARE, PA 15181 PRUDUCT SAFETYMEDS INFORMATION: (ALD) ASTAGES

DATE OF MEDS CHEFARATION:

PARKANCE STATE OF THE PARKET O nes, and over murces of epister. On the prices times decaded motion, and other sources of ris A farmer and plus ignite. Type of paying, impage, decoded motors, and other source of ignition during on and unit of record/odds are gase. Kamitel to total or enablemed. More come materials as members. Common moved this contractor that the transfer is observed strough him also. Protonysts in insvetted commen is times in highly, from children and steps

THIS MATERIAL SAFETY DATA SHEET HAS BEEN PREPARED IN ACCORDANCE WITH THE OSHA HAZARO COMMUNICATION STANDARD (29 CFR 1910.120D), THE SUPPLIER NOTIFICATION REQUIREMENTS OF SARA TITLE III, SECTION 313, AND OTHER APPLICABLE RIGHT-TO-KNOW REGULATIONS.

CHARLES OF THE PROPERTY OF THE PARTY OF THE

26 5	mazmenous ameniculents	PERCENT	CAS MLMBLA	CONCINCENA
01	EANAL BENTENE	0) ⋅ ≤1	100.41-4	
97	METHYL ISOBUTYL KETOME	5 - 10	106-10 1	
ØΣ	TOLUENE	15	109 88-J	
34	METHYL (N-APYLI RETONE	10 425	110.43-0	
03	E-SUTURY ETHANOL)5	711-10-5	
06	ANORPHOUS SILICA	1 . 45	112926 - 60-8	
57	COTCION COMBONALE	3 - 410	1317 65.3	
08	፤ጣ (ነፈ ና	t . 55	1330-20-/	
95	Çemiğin Brace	5.1- 4)	[33] · 8+ · 4	ı
15	TITANIUM DIDZIDE	\$ - e}0	13463-67-7	
11	tal(1 - 15	14607-96 5	
12	DUARTZ	0 1- 4L	14800-60-7	1 # 0
13	CDOX DISIN	18. √20	25068 38·6	
14	WINGL RESID	1 . +5	25066-48 G	
15	ANDRETIC REPOTHA	1 45	64:42.93.4	
	BADILM SULFATE	1020	1777.43 7	
17	3.2.4-TRINCTHIL BENZEME	1 - 45	85-01-0	

* Carcinogens: O & OSHA; A = ACQIH; N = NTP; 1-1ARC

BARA TITLE III & CERCIA CLASSIFICATIONS

				5	DŢΔ	31	1/3	13
ref	SARA 102 40 (LOS) SARA 307 TPG (L65)	See 313	#C	Ç۳	FL	ėģ	ķξ
	••••••	1 11.						
đ١	1000	MOT ESTAB	7		T	,	N	N
ΟZ	5000	MOT ESTAB	Y	٧	r	Y	ń	ħ
93	1000	MOT ESTAB	₹	4		1		•
54	MET [\$748	ADT ESTAB	M	ſ	R	T	4	Ł
. 95	NOT ESTAB	NOT ESTAB	¥	T	۲	۲	٠	N
46	HET ESTAB	MOT ESTAB		N	Ħ	7	R	Ŋ
97	NOT ESTAB	NOT ESTAB	ĸ	N	N	•	3	N
08	100	NOT ESTAB	Y	7	н	۲	4	۱
09	NOT ESTAB	NOT ESTAB	R	h	•	N	A	H
ie	NOT ESTAB	NOT SETAB	4	16	N	N	N	•
11	NOT ESTAB	NOT (\$TAB	N	Ħ	H	N	Ħ	ħ
12	HOT ES!48	901 ESTAS	4	N	٧	N	4	N
13	407 CS148	MOT COTAG	M	¥	Ŋ	N,	N	R
į.	NOT ESTAB	MAT 23 TON	h	T	N	4	Ħ	N
15	HOT ESTAB	NUT ESTAB	N	*	•	,		Ą
16	10" (5146	MOT ESTAB	v	H	4	R	Ŋ.	4
17	MOT ESTAM	NOT ESTAB	1	1	٩	T	B	

SARÁ 311/312 CATEGORIES FOR THIS PRODUCT: ACUTE = V. CHRONIC = V. MAMMAGUITY - Y PRESSURE - N. REACTIVITY N N

OCCUPATIONAL EXPOSURE LIMITS MAVE BEEN ESTABLISHED FOR THE

FOLLOWING MATERIALS.

	AC	ath .	V.3.	CLONG.
QI F	TLV-TAA	TLV-STEE	P.E.L. PHA	PEL-STEL
01 02 03	100 ppm 50 ppm 50 ppm 50 ppm 10 mg/m3 100 ppm 10 mg/m3	125 ppm 75 ppm 76 ppm 77 ESTAB NOT ESTAB 130 ppm	100 ppm 50 post 100 ppm 100 bon 5- 25 post 6 mg/m3 1 mgL - STEL MOT (R - 5 mg/m3 190 ppm	125 EDB 75 EDB 75 EDB 150 PD MOT ESTAB MOT ESTAB MOT ESTAB 150 OPB
	3 5 mg/m3 10 mg/m3 2 mg/m3 4 2, mg/m3 40 mg/m3 40 mg/m3 40 mg/m3 40 mg/m3 40 mg/m3 40 mg/m3 40 mg/m3	HOT ESTAB HOT CSTAB HOT ESTAB HOT ESTAB HOT ESTAB HOT ESTAB HOT ESTAB HOT CSTAB HOT CSTAB	3 5 mg/m3 10 mg/m3 R- 2 mg/m3 R- 0 1 mg/m3 NOT ESTAB NOT ESTAB NOT (\$728. R- 5 mg/m3 NOT (\$748	ROTES TOR ROTE CAMPE ROTES TO ROTES TOR ROTES TOR ROTES TOR ROTES TOR ROTES TOR

(C. Calling Limit) S. Pathadai Guin Absorption: A. Raspuson: Duzt (NOT ESTAS) at NOT FETARUSHED - NOT APPLICABLES

PROMICT STATUS RELATIVE TO THE U.S. EPA TOXIC SUBSTANCES

CONTROL ACT

All glymical substances in this product are listed on the U.S. TSCA Inventory or are otherwise axempt from TSCA inventory reporting requirements.

THE REAL PROPERTY OF THE PARTY OF THE PARTY

EFFECTS OF OVERSAFORURE FROM:

• NVGESTIGN: Harmful or figur if aveallowed. .EYE CONTAGT: Causes severe eye writetion

*SKIN GONTAGT: May cause moderate the tritation. May be normful if absorbed strough

throat. Remeted apposites to high vegor consumity-point may cause integrior of the restinatory byelem and deliment of brain and nervous examin demade.

* CHRONIC OVEREXHOSURE: Avoid long-term and repealed contact. This product con tryppettine effice which has been classified as a number cardinger by IRAC, Long-term es may also like to a dispulling lung condition brown as ancosts. The risk departs on the Bulletian and level of empower's 10 dust from sending surfaces or mist from sensy Abblications. Use of appropriate personal presentive southment end/or engineering committee should be employed whenever these types of operations are being portolimes. This product contains an athylene sames giyed stitus and/of acetate which has been shown to cause advarsa attacts on the Mineys, ever, blood and/or blood-forming bases. This product contains thenium dioxide. Animals inhaling massive quantities of steman dioxide dust in a rong-term atudy developed hing humans. Studies with Partiens Involved in manufacture of this pigmant indicate no increased risk of cencer from supposure. Foreign the inhelection of interiors oflowide sharts from coatings to very limited. Error givers copyrig are not expected, there is no significant hexard for main. This product contains tolus Toluens inhelepsis in snimels ignered when 1500 som) and intentional inhalid triugnerpantering products by humans (e.g. glue) has caused advise teles development withoute. This product contains laig. In a lifetime inhibition bludy familie rate expensed to an glovated respiration comparation on 19 terms the Permisolisis Engage to Lenter of compare grade tals developed lung context. To date, no U.S. regulatory equitor has classified tals as e carcinogen bases on this data. This product contains throch black which has been rated en IARIC 28 cersinagen que co enimel dese. Ethylbersent has been inscrited by ATP to cause cancer in laboratory emmats hyllopping a chronic (2 years invalidan exposure. Dase evels at 1%, 3\$0 and 750 ppm were used, with evidence of careinogenicity found in the e of reta and the lung and liver of mich at 750 pam. The No Observed Effect Lavel INDEL) were 75 ppm. The relevance of these findings to rumans is uncertain, but approprieté ésneguar de airquis de employes (o reduce or séminéte momentes expessés to HILLY DEVICE

BIGNE AND CYMPTOMS OF OVEREXPOSURE: Eye evaluating, headsones, now se, and loss of coordination are indications that solvent levels are too high. nitions minute by deliberately concentrating and invaling the contents can be harmful or



TOTAL I CHESICAL PROPERTY AND TOTAL AND ADDRESS OF THE PROPERTY OF THE PROPERT

PRODUCT CODE/OENTITY: REVISION DATE:

DTERM

10/14/BH 4000 DB44

CUST DAKER PART II MAAAIS-PRODUCT TRACK MAINE

MEDUCEA

CHEMICAL FAMILY:

SCILVENT BLAND

EMERGENCY MEDICAL/EPEL INFO:

(304) 043-1300 (U.S.) 81-000-00-214 (MERCO)

TECHNICAL INFORMATION:

wed: \$12.2400

PRODUCT SAFETY MEDS INFORMATION: 4216 ***OSAMPA G***** ALLSON PARE, PA 14161

45. * U. BOR B

m17) m02,5554

BATE OF MEDII PAGRANATION:

60×60×60

Flammakin, Kasp ander 1994 hoof, poptus, Tompy, and pulps solvines of lymbon. Do rest amuse. Eatings as flamme and princ lights. Turn off stores. Assess, dischell dischell disches, and unknown sources of lymbon dum EL SER BANK, FRANKSI IT SAME red. Mer couse medarate skin brogging Cou

SHOP OF PERSON MAY BY STRONGS PROUSE THE SMY. YEARS SHEET HAS BEEN PREPARED IN ACCORDANCE WITH MATERIAL SAFETY DATA SHEET HAS BEEN PREPARED IN ACCORDANCE WITH THE OSHA HAZARD COMMUNICATION STANDARD (29 GM 199-200), THE SUPPLIER NOTIFICATION REQUIREMENTS DE SARA TITLE MI. SECTION 313, AND OTHER APPLICABLE RIGHT-TO-ENDW REGULATIONS

THE TAX OF THE PROPERTY OF THE

P.F.	HASAKDOUS INGREDIEHTS	PERCENT	CAS PLATOER	CONCENSE»
•••	*******************************			
01	ETHIL BERZERE	15	150-41-4	
02	TOL UENE	10 - <50	108-49-3	
	N-BUTTE ACCIATE	10- 429	123-66-4	
Q4	RATCHEZ	1 - 45	1330-20-7	
Q 5	METHYL ELMYL A'EFONE		/8-93-3	
44	Y /I AND P. NAPHTHA	20. +30	8032-32-4	

^{*} Corcurogens: O = OSHA: A = ACGIH; N=NTP; I=IARC

SARA TITLE UI & CERCLA CLASSIFICATIONS

					مسر				
₽₹ F	SAMA 102 83 (L0S)	SAMA SRZ TIMO (CBS)	3874 313	ar,	[h	71	77	RE	
	***********	···			• •				
0.1	1000	MOY ESTAB	4	•	7	ſ	N	×	
92	Jee0	MATES TON	Y	۲	Ħ	1		16	
03	400a	MBT (STAB		7		7	7	H	
.04	100	NUT ESTAB	Y	۲	4	Y		Þ	
Q5	5000	NOT ESTAB	1	٧	Ŋ	¥	æ	4	
96	HOY ESYAB	NOT ESTAS	N	7	N	¥	N	N	

SARA 311/312 CATEGORIES FOR THIS PRODUCT: ACUTE:: Y, CHRONIC # Y, FLAMMAGALITY - Y, PRESSURE - N, REACTIVITY - N

OCCUPATIONAL EXPOSURE LIMITS MAVE BEEN ESTABLISHED FOR THE FOLLOWING MATERIALS:

			£@t⊨	U \$. 03HA			
ME C		TLV-T-A	TLV-STEL	PEL TAG	DEL-216F		
61	•••	100 pp-1	λċ\$ ppre	:00 ppm	125 000		
οz	٢.		AQT ESTAB	103 00m	150 DBR		
60		150 ogm	200 ppn	139 ppm	209 <i>0</i> 00		
Φ¢		100 pp=	159 gp=	100 000	IŚG pom		
05		500 bear	300 000	200 ppm	300 cam		
05		TPEL TEA	NOT ESTAB	IPELISTEL 250 (DOTE.		
96		300 ppn	NOT ESTAB	300 pgs	400 ppm		

IC- Colling Lawis; S. Potentie Shin Appropriate R. Pesperson Dusti INOT ESTAB. - NOT ESTABLISHED - NOT APPLICABLE)

PRODUCT STATUS RELATIVE TO THE U.S. EPA TOXIC SUBSTANCES

CONTROL ACT

All chamical substances in this product are listed on the U.S. TSCA

Inventory or are otherwise exempt from TSCA Inventory reporting

CHARLES CONTRACTOR OF THE CONTRACTOR

EFFECTS OF OVEREXPOSURE FROM: s MOESTION: Harmful if

FYE CONTACT: Couled severe eye Greation

ASKIN CONTACT: May cause modeluje skin kritation. Allay be ebsorbed through the skin. wiNMALATION; Vapor and/or spray rates may be harmful if infeded. Vapor inflator symp. mose, and throat. Repeated supposure to high vasor concentration may cause entation o The feelphilatory system and permanent brain and nervous system dained

A CHRONIC OVEREXPOSURE: Avail long-term and repetied context. This pre METHYL BUTH KINGO (MEK). MEK has been shown to cause minor embryustonic/lezatonic STREETS IN INCOMETRY STREETS SKOOMED FOR PRESENCED DESIGNS AT THEIR CONCERNS AND on. The optionals for turning exposure to high conce retions is expected to be forgue to the irritating effects of MEK at low concentrations. This product content reju Tolume inhelation in amimata (greater man 1500 ppm) and inhelicing their polytopic of followers committing products by humans (e.g. glus) has caused adverse fetal deve offests. Ethylbensere has been reported by NTP to couse cancer in languages animals. rms e 단막하다 (2 year) Mysietish especials. Dose hwell or 75, 250 and 750 poin were used, with oxidence of careinogenicity found in the bigness of rets and the lung and fiver of mice at 750 ppm. The No Observed Effect Level (NOEL) was 76 ppm. The reformice of these findings to humans is uncertain, but appropriate astaguards anguld be ved to reduce or eliminate inhaistion exposure to ethylbero

SIGNS AND SYMPTOMS OF OVEREXPOBURE; Eye wereing, hardechas, nausen, ra Pref sylvers levels are too nigh. dissiners, and lost of courdingtion are indicated intentional misuse by deliberately concentrating and intering the contents can be harmful or fetël. Rëdhësë, stithing, Burning zensasion end e مبيعال أجمعه typ comies. Pryress, itching, creating, burning, radness, and swelling are consistent, ESECUTION WITH EXCESSIVE ARM CONTACT.

MEDICAL CONDITIONS ADDRAYATED BY EXPOSURE: Not applicable.

WARMING: This product contains a chemical known to the State of Californie to cause birth defects or other reproductive harm.

* INCESTION: If amaligmed, do not induce varniping. Contry when put inorde mouth (o

PRYE CONTACT: In case of are contact, remove contact fenses and flush eyes immediately ritle stream of lube warm water for at least 15 minutes.

- ŚRÍN CÖNTACT: In grow of plus operacts. Aliah immediately with planty of water for at least 15 minutes followed by weahing with soop and water ... INNALATION: If affacted by measures of vaccinor distance met, remove to fresh gir. Apply

árillióiál ráspiration and other support measures as required. -DTHER: If ingestion, any type of businesseum or symptomic of overexposure occur during or following (Ne use of this product, contact a polson combol contact, emergency rooms to

THE THE PARTY OF T

. FLASHFOINT: 45 Degrees F (7 Degrees C) (PENSKY-MARTENS CLOSED CUP) . FLAMMABLE LIMITS: Lower gradepon himit (LEL): 1.4

physician immediately: have Material Salety Oate Sheet information evertable.

*Upper explosion limit (UEL), Not evaluate

*EXTINGUISHING MEDIA: Use Miclonal Fire Protection Association (NFPA) Class 8 extinguishers (cerbon droxide, dry Chemice), or universe) especies film formorisonal designed to eatingwish NFPA Class IB flammable liquid tires.

MUNUSUAL FIRE AND EXPLOSION MAZAROS. Resp this product every from nest, souther flatte, and other sources of ignition (i.e., plics agints, sectric mesons, execute electricity). investrie vapora con srevel su a source of ignision and flock back. Do nos amobie while yeing this product, deep continuers again closed when not in use. Closed continues may explade when grathested. Be not apply to hot surfaces. Toxic gases may form when was product cores in contact with extreme next.

- SPECIAL FIRE FIGHTING PROCEDURES: Water openy may be implective. Weller signary May be used to cool claimed containers to prevent presents build-up and possible autograpion or explanter when exposed to extreme heat. If weter is used, tog most preferable. Fire-lighters amount wast self-contained breething appearup and full protective clothing.

SECTION & ACCOMMANDED THE PARTY NAMED IN

- STEPS TO BE TAKEN IN CASE MAYERIAL IS RELEASED OR EMILED: Provide members



Mediatactured and Supplied by: REFINISM PRODUCTS 19889 PROGRESS DRIVE STRONGSVILLE, OM 44136

MATERIAL SAFETY DATA SHEET **COATINGS AND RESINS GROUP**

PPG Industries, Inc.

TEATION . CHEMICAL PROQUET, AND COMPANY REGEMATION

905

REVISION DATE:

ON 10/26 (000) 0666

CUSTOMER PART SINAME: PRODUCT TRADE NAME:

фетначе напренев

CHEMICAL PARILY:

MOCYANATE

EMBRORNEY MEDICAL/BPILL INFO:

(304) 943-1200 (U.S.)

TECHNICAL INFORMATION:

(940) 972-2800

PRODUCT SAFETY/MS DE INFORMATION: 4115 NOSAMA GAVE, P.O. GON P.

ALLISON PARE PA 15101 19127 493-9555

DATE OF MUOS PREPARATION:

FRENCH HAZARD WARNING

Elemmights, Rents enter from high, sporter, Remon, and other Souther of synthem. De tot similar, Esse as have and other higher. Turn off stored, Resears, electrical matters and other higher. LAN. DE TOLUMBLE, ÉLEMANT yoş şirdi yirdi eji işpçişi pöşiş alış yeriş. Pişirmişi il asrollossa kilar colum filydirisce aktir irrilativi. Ci şərşiy aşo imismok, bilay bir atamıfınd tirilasiğik 116 SBA, Bişliriyind yir işbiği biş öğrikizi mav coluk ak allaşgiç şibi isancılam, Yaşoki allakki işpray əroşt kulundu il Rikştiği, New Callab irrilgiçin ərokir ollonyk

BRITIST TRECTOR AND FOREY CHEM STEE THE 19 MODEL THIS MATERIAL SAFETY DATA THISET HAS BEEN PREPARED IN ACCORDANCE WITH THE OSMA MAZARD COMMUNICATION STANDARD (29 CFR 1910.1200), THE SUPPLIER NOTIFICATION REQUIREMENTS OF SARA TITLE III, SECTION 313. AND OTHER APPLICABLE RIGHT-TO-KNOW REGULATIONS.

BECTION 2 - DOMNOR VICINION DOMATION ON MICHEDISHTS

RE	MAZARDOUS INGREDIENTS	PERCENT	САЦ Н ИМВ ЕЯ	CARCENO CENT
91	N-BUTTL ACETATE	300	173 85-4	
82	HERARE -1 5-91 ISSETANATE POLITIER	29 ~4V	70102 61-2	
	ISOP-ORONE DI ISOCYANATE POLYMER	20 - 430	\$3880 05.0	
'n	EXCHAPLE NAPHTHA	5 . 410	64742 93 6	
	1 2.4 TRIMETHIL BENZEM	1 - 4	95-63-6	

^{*} Carcinegens: O - QSHA; A = ACGIH; N=NTF; I=IAAC

SARA TITLE III & CERCLA CLASSIFICATIONS

					5	484	71	1/3	17
FIF	3459 102 40 ((45)	Sagu	302 TPO (LES)	وإز عجمو	ΑÇ	Çн	"(ř٩	ěť
					٠.		٠.		
81	500 0	N OT	ES TAB	я	r	N	•	M	W
07	MOT ESTAB	NOT	ČŠTAB	•	7	7	A		
83	447 65 744		ES1AB	•	•	٠	Ħ	Ħ	H
Di	HCT 15148	MLES	5514B	N	Y	N	1	m	н
05	MIT CSTAR		CCTAR SAT21	-	•	×		N.	N

SARA 311/312 CATEGORIES FOR THIS PRODUCT: ACUTE . Y. CHRONIC .. Y. FLAMMABILITY - Y, PRESSURE - N, REACTIVITY - N

OCCUPATIONAL EXPOSURE LIMITS HAVE BEEN ESTABLISHED FOR THE FOLLOWING MATERIALS:

	e€@1	-	V.5 05-4			
REF	T _k z : ThA	TLV-STE:	3 <u>€</u> (_T <u>A</u>	PEL·STEL		
1.14		10.00	THE RESERVED IN			
91	109 pp=	200 ppm	noa ûêl	ጀዕስ አውጣ		
ÖZ	NOT ESTABLE	NOT ESTAB	#O1 {2 1 49 }	NOT ESTAD		
07	18EL-7-6. 0	1.5 mq/m3	IPEL-STEL: 1 mg//	N		
έe	NOTESTAN	MOT [3746	HOT ESTAB	MAT (STAB		
Ŗά	NOI ESTAB	NOT ESTAB	NOT ESTAB	NOT ESTAB.		
05	NOT LITTED	NOT ESTAB	MUL 62100	MOL EZAM		

(C. Celling Limit: S. Potential Stin Absorption: Ri Ampirable Dust) (NOT ESTAB). > NOT ESTABLISHED = NOT APPLICABLE)

PRODUCT STATUS RELATIVE TO THE U.S. EPA TOXIC SUBSTANCES

CONTROL ACT

All chemical substances in this product are listed on the U.S. TSCA Inventory or are atherwise exempt from TSCA inventory reporting esnoments.

THE THE REPORT OF THE PROPERTY OF THE PARTY OF THE PARTY

EFFECTS OF OVENEXPOSURE FROM:

A INGESTION: Marring IT awallowed

- EYE CONTACT: Courses severe eye irritation.

+ SKIN CONTACT: May deline moderate ship initiation, May be appropriately the sain Prolonged or repeated contact may cause an ellerpic state resisting

- INFALATION: Year and/or soray mist hannful it inheled. May belos inflation und/or attargic resolutions reaction in tunge. Vegar irritative even; note, and throat. Repopted EXECUTABLE to with ASSEL Concentrations with befole wirehou of the expression exercise and hairiten but puliti bild udindrif éhétém emmélés. Da vos nes a, hon vene episave (poul-reim) me, or it you have ever had a reaction to m find in his signed broth

- CHRONIC OVEREXPOSURE: Avaid long-to-m and recessed confect. The pr isocyanaces, inhelesion may ususe a burring sensation of the now, throat and lunge. Altergic respectory reactions to those Métalible sie characterized by astronaulte symptoms such as cheet tightness, whereing, shortness of present and coughing. These symptoms may follow repeated supposure or a single massive aspective and may be

SIGHS AND SYMPTOMS OF OVEREXPOSURE: EVA WALKING, NAMED AND TOTAL dizzness, and loas of coordination are indications than solvens levels are too high ncional misuse by deliberatory concentratives and inhaling the confered can be harmful or fatel. Redicate, iteming, burning semantion and visual disturbances may indicate excess eye contact. Ofwhele, itching, creeking, burning, regness, and swelling are conditions sauccialed with excussive sun concect

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE DO NOT USE IT THE NAVE Shipton (tigng-term) lung or breathing problems, & if you have ever had a reaction to inger an at the

SECTION 4: 1989 AND MEANING

LINGESTION: IS SWANGWED, OD NOT INDUCE VORTING GETTLY VIDE BUT INSIDE MOUTH TO y restable material.

* EYE CONTACT, IN case of eye contact, remove centest briefs and fively eyes in with a gentle exteam of luke warm water for at least 15 minutes, <u>SKIN CONTACT</u> In case of whin contest, flysh emmediately with plants of water for as

least 15 minutes followed by washing with ease and water.

- HAMALATION: If places by inhalation of vapor in Spray Mill, ramove to feeth av. Apply proficial resemblion and other support measures as fibblical.

OTHER: If Ingention, any type of oversupposits or symptoms of oversupposite occur outing g) tollowing the use of this product, portact a poison control terms, smargency loam of physician immediately: Nava Matarial Sufety Data Sheet information available

BECYCLE - FRE FERTING MEASURES

- FLASHPOINT: 92 Degrees F I 33 Degrees CI IPENSKY-MARTENS CLOSED CUPI

LECAMMABLE LIMITS LOWER EXPIDENCE HITELELES 1.5

· Upper emplosion limit (UPL): Not everable

PORTINGUISHING MEDIA. Ver Nevental fire Projection Association (MEPIA) Class B Cattroguishers (carbon dipaids, dry coemical, or universel equation film forming feature dazionas 10 enzindines prese Esese IC Lie maste Heuld fires.

-UNUSUAL PIRE AND EXPLOSION MAZARDS: KAND This product owey from hope, expire Thame, and other yources of ignition (i.e., pilot lights, stactic motors, static slactificity). livus ble vacors can travel to a source of Ignition and Reph back. Do not amote while using this product. Keep gampiners lightly crosed when not in the. Closed conte explore when grypheeted. On not apply to hot surfaces. Toxic gases mee felm which this

* SPECIAL PIRE BIGHTING PROCEDURGE Water out may be well active. Water spray may be used to cool closed containers to prevent practice suite up and possible Eurolymition or explosion which executed to extreme negt. If weter it used, but notices are professiol. Fire-tighters should wear self-contained breathing apparatus and full protective clothids.

SECTION OF ACCOUNTAL SKILLAR MEACOURT

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Pro-ID+ MALMON ventilation. Only surgement equipment with proper respiratory, thin, and by a protection should be permitted in the area. Remove all sources of Ignition. Take up apiles meterial strill band, yermiculity, or other noncombustible absorbant material and place in clean. empty containers for disposer. Only the solled material and the absorbant enough be blacks to this coulains

- WASTE DISPOSAL METHOD: Waste material must be disposed of in excerdance with taggraf, execs, provincial, and tocal any improvinced compol regulations. Empty containers should be recovered or deposed of through an approved while manage

SECTION TO SHAND, ONE AND STORAGE

- MANDLING AND STORAGE PRECAUTIONS: Do not store above 120 degrees F. (48



Manufactured and Supplied by: REFINISH PRODUCTS

19699 PROGRESS DRIVE STRONGSVILLE, OH 44136

CONTRACTOR DESCRIPTION OF THE PROPERTY OF THE

PRODUCT CUDE/IDENTITY

DCC9000

REVISION DATE:

03/11/38 1000 GEO

CUSTOMER PART #RAME:

ALACK

PRODUCT TRADE NAME: CHEMICAL FAMILY.

Acres

EMERGENCY MICHICALIEFILL INFO:

1304) 343 343 300 (U.S.)

TECHNICAL MECAMATION

\$1.**89**0-00-314 (MEXICO

10400 572-2000

PRODUCT EAFETY/MEDS INFORMATION:

4326 ROSANNA DWYL P.O. FOX 2

DATE OF MEDIL PROPAGATION

01/20/98

PRESENT MAZAND WARRISH

of through the pilot terms. Your off severe, fundate, when we and world of vannalization are parts. Highland & Sunsit and when we will be a second or the second o was May come medicate the seconds Comne dan u-appara delar din adappipat through the soon. Yappr and'ar agains intel —ar he ha

OF THEM STON THE THE STONE.

THIS MATERIAL SAFETY DATA SHEEY WAS BEEN PREPARED IN ACCORDANCE WITH THE OSHA HAZARD COMMUNICATION STANDARD IZE GER 1910.12001. THE SUPPLIER NOTIFICATION REQUIREMENTS OF SARA TITLE HI. SECTION 313, AND OTHER APPLICABLE RIGHT-TO-KNOW REGULATIONS.

EXCION 2 - EXPERIENCE OF MATERIAL OF MARCHANTS

ďί	HAZARDOUS INCREDIENTS	PERCENT	CAS MUMBER	CARCINOGER*

01	ETATE BEALEME	1 - 15	100-41-4	
42	S-HETHOLY - 2-PROPYL ACFINTE	5 10	106-65-5	
03	Z-BUTOKYETHYL ACETATE	1 . =5	112 07-2	
Q4	W-GUTTL ACSTATE	18 - 20	አ ረጋ 86.4	
0\$	#VLF245	10- 420	1330 20.7	
06	CANDON BLACK	1 . 15	1333-86-4	I
ψž	AND STREET, STANFORM	1 . 4	64742.95.5	

* Carsinogens; D-OSHA; A-ACGIH, NANTP; LoIARC

SARA TITLE HI & CERCLA CLASSIFICATIONS

				Š	عيحه	31	1/3	12	
QEP	\$444 JOZ 40 (185)	\$44 302 100 (LBS)	\$000 213	ΑĊ	ćн	۴Ļ	ÞĄ	ŧς	
				٠.	٠.	٠.			
01	1000	MOT ESTAD	,	Y	٧	7	N	N	
72	· HOT ESTAN	and the	h h	,		٧	N	þ	
03	MULT EZTAR	407 ES148	¥	۲	N	•	N	u	
94	\$000	AUT ESTAB	•	٠	N	۲	ħ.	N	
0 5	100	«Or EST≪I	•	٧	h	y	A	A	
56	ACT (\$148	NOT ESTAB	H	R	7	¥	×	a	
Q 7	BATZ3 TOM	NOT ESTAB	*	Ť	R	7	ď	N	

SARA 311/312 CATÉGORIES FOR THIS PRODUCT: ACUTE . Y. CHAONIC ... Y. FLAMMABILITY - Y. PRESSURE - N. REACTIVITY - N

OCCUPATIONAL EXPOSURE LIMITS HAVE BEEN ESTABLISHED FOR THE

POLEDWING MATERIALS:										
	AC	GIH	v s, òs⊶o							
RŞF	ft y. Tha	TLV-STEL	reu-TiA	PEL SYEL						
		· ···· ······	• • • • • • • • • • • • • • • • • • • •	•• • • • • • • • • • • • • • • • • • • •						
01.	100 com	125 ppm	100 30m	125 ppm						
82	HOT ESTAB	NOT ESTAB	NOT (STAB.	RD1 [3745						
02	JPEL TUR	100 ppm	3P€L-STEL MOT €	31AB						
83	MOT COTAGE	NOT FSTAR	HQT (STAB)	MOL 62100						
94	150 ope	\$50 ppm	150 000	200 po≠						
95	4 ۈي 100	150 004	100 ppm	150 ppm						
D6	3.5 mg/m3	NOT ESTAB	3 5 mg/m3	HUT ESTAB						
97	407 (5146	84123 TOP	with Library.	NOT (STAB.						

(C- Calling Limit, 5: Potential Shin Abgorption; R- Respirate Duet) INOT ESTAB. = NOT ESTABLISHED - NOT APPLICABLE)

PRODUCT STATUS RELATIVE TO THE U.S. EPA TOXIC SUBSTANCES

CONTROL ACT

au chemical pubetancies in this product are listed on the U.S. TSCA Inventory or are otherwise exempt from TSCA inventory reporting

CONTROL SUBALIST ENGINEE

EFFECTS OF OVEREXPOSURE FROM:

. INCESTION: Hermful II smallerred.

HEYE CONTACT: CHARGE SEVERS BYS HEREATION

SKIN CONTAGT: may cover moderate ship irrigation. May be obserbed through the ship. einmacaTION. Year and/or spray miss may be harmful if ranged. Vepor britales eyes nose, and timest. Reported exposure to high vapor conomittations may cause striction of the respiratory everym and pulmanent trials and new out system damage

P CHRONIC OVEREXPOSURE Avoid langueism and repeated contact. This product don't an existence series glycol ether and/or accurate which has been shown to could adverse placts on the Lidneys, liver, mond under blood-forming (legue. This product contains carbon black which has burn rated an IASC ZB carcinogen suc to ammal sata. Editalbancane has been reported by NTP to course cancer in toporatory arrivals lightly chronic (2 year) imheletion exposure. Dose levers of 75, 200 and 750 part their uses. with avidance of careinagenicity found in the atomics of rats and the lung and liver of mice at 750 ppm. The No Observed Effect Level (NOEL) was 75 ppm. The relevance of these findings to humans is uncertain, but appropriate astequards should be employed to reduce of eliminate inhalotion exposule to attributation.

SIGNS AND SYMPTOMS OF OVEREXPOSURE: By WHITING, Headliches, Houses. distinces, and less of coordination are indications that solvent revels are too high nto Add misuse by deliberately concentrating and inhaling the contents can be harmful or fatal, Redness, Johnny, burning eenskitsen and visual distulbances may increase excessive eve contact. Drynass, moking, cracking, burning, redness, and swalling are conditions BELUCIARED WITH UNDERSIVE WITH CONTACT.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Not anoncooks

PERSON A TINGT AND WEASURER

BINGESTION: If Smallemed, give one to true wight purise glasses of metar, but do int enduce verniting. Gently wrom aux incide mouth to remove any residual meteral EYE CONTACT: In cose of eye contect, remove confect ferene and flush even withdustally

tile streem of luke yearm water for at least 15 minutes ESEIN CONTACT: In cope of skin contact. Bush enthallelidy with 64 Rty of Water For St

reces followed by welling with social water - INMAL<u>ATION</u>; if effected by inhalpsion at vapor or apray miss, ramitia to fresh air. Apply estificial respiration and other support measures 49 /60:11/ad

· OTHER; If impession, My type of and supposure or symptoms of outweeposure occur duting ing the use of this product, contact a politon control comes, amorganicy room or Mediziniy; highe Materizi Safety Oato Sheet information zonileble

CEC TOWN THE HOLTON MANUALE

FLASHPOINT: BY Depress # (27 Degrees C) (PENSKY-MARTENS GLOSED GUT)

FLAMMABLE UMITS: LOWER SERVISION HIME (LEL): 1.4

- Upper explosion limit (UEL): Not available

MEXITINGUISHING MEDIA: Use National Fire Protection Association (NEPA) Class # estinguishers (carcon dioxide, dry chemical, or universal soundus film forming foam) designed to extinguish NFPA Glass 15 Hammeble Aguild firez.

HUNUSUAL FIRE AND EXPLOSION MAZARUS: Keep this product empy from near, sperker tierne, and other sources of ignition (i.e., prior rights, westite moto ra. șsatic oluctricitei invisible vegors can trevel to a source of ignition and floor back. Bo not prophe while using this product. Keep containers rightly closed when hot in use. Closed containers may explade when avertestes. On not apply to has ourfuces. Toxic globs that forth when this product conses in contact with settlems hast.

SPECIAL FIRE FIGHTING PROCEDURES. WATER SOILS HIM SE INSPECTIVE, WATER EDIES may be yeed to cool closed containers to Disvent pressure build-up and possible or explosion when autosed to extreme heat. It water is used, fog notities are profession, Fire-highlare should sweet part-conceived broathing appearables and full protective clothing.

SECTION & ACCEPTAL RELEASE MEASURES

-FTEPS TO BE TAXEN IN CASE MATERIAL IS RELEASED DE SPILLED. Provide MANventfation. Dray garagered equipped with proper reconstate, SMA, and sys protection anouald by permitted in the price. Remove All sources of ignation. Take up apilled material yerth pand, vermiculity, or other noncombuditals absorbent material and place in clean, mply cartaines lite deposal. Only the upited material and the absorbent about be placed A this conte

* WASTE DISPOSAL METHOD. Warte meterial must be deposed of in accordance with laderal, state, provincial, and local environmental control regulations, Empty contents



Manufactured and Supplied by: REFINISH PRODUCTS 19899 PROGRESS DRIVE STRONGSVILLE, QM 44136

MCV High Solids Urethane

Background

MCV High Solids Urethane is a low VOC 2K Urethane for use on commercial vehicles. It is available in solid and metallic colors.

CV High Solids Urethane

Color

MCV High Solids Urethane

MFA360 High Solids CV Hardener at 3.5 VOC MFA361 High Solids CV Hardener at 2.8 VOC

Compatible Substrates

Cured, cleaned and sanded OEM and fleet finishes

MP170 Epoxy Primer

MP176 Etch Primer*

MP178 Plastic Primer

MP180 2K Sealer

MP182 2K Urethane Surfacer

MP183 Compliant Sealer

MP184 Compliant Surfacer

MX198 Polyester Primer

MP210 1K High Solids Primer

MP211 2K High Solids Primer

MP213 GP Şealer

*For optimum properties, MP176 should be overcoated with a primer surfacer or sealer before topcoating.

Preparation

Surface cleaning

MX190 Cleaner, MX191 Compliant Cleaner, MX192 Plastic Cleaner

280 - 320 grit (machine or dry hand) on old finishes and primers.

Mixing

Ratios

3.5 VOC

2.8 VOC





Pot life is 2 - 3 hours at 70°F (21°C).

Tinting

Can be tinted with M300 series tints only.

MX200 may be added up to 6 oz. at 3.5 VOC or up to 4 oz. at 2.8 VOC per RTS gal.

Application

Coats



2 medium coats

Air pressure

HVIP Conventional 10 psi at the air cap

50 - 60 psi at the gun

Gun setup

1.3 - 1.6 mm or equivalent

Dry Times

Air Dry Times at 70°F (21°C)

	2.8 VOC	;
Dust	45 minutes	
Took	3 hours	!

45 - 60 minutes 3-5 hours 8 hours

Between coats

Tape

5 - 10 minutes

5 - 10 minutes

3.5 VOC

20 - 35 minutes

Force Dry Times

2.8 VOC

Purge 10 minutes 40 minutes at 140°F 30 minutes at 160°F

3.5 VOC Purge 10 minutes 30 minutes at 120°F 20 minutes at 140°F

15 minutes at 160°F

Clean Up

Clean spray guns, gun cups, storage pots, etc., thoroughly with MR Reducer, MS100 General Purpose Solvent or other appropriate clean up solvent after each use.

Follow EPA guidelines for proper storage and disposal of solvent-borne waste paint.

Properties

VOC

Package

3.6 lb./gal. max.

Applied with MFA 360(4:1) Applied with MFA 361(4:1) 3.5 lb./gai. max. 2.8 lb./gai. max.

Dry film build per dry coat

Applied (4:1)

0.75 - 1.25 mils

Square foot coverage at 1 mil loss

Applied (3.5 VOC) 840 - 855 sq. ft. / gal., no loss Applied (2.8 VOC) .970 - 1003 sq. ft. / gal., no loss

OMNITE CV is a new generation of paints and CANNOT BE MIXED WITH ANY COMPONENT OF THE OMNICOAT™ FACTORY PACKAGE PRODUCT LINE OR OMNI™AU INTERMIX LINE.

The contents of this package may have to be blended with other components before the product can be used. Before opening the packages, be sure you understand the warning messages on the labels of all components, since the mixture will have the hazards of all its parts. Spray equipment must be handled with due care and in accordance with manufacturer's recommendations. Follow label directions for respirator use. Wear eye and skin

protection. Observé ell applicable precautions. See Material Sefety Data Sheet and Lebels for additional safety Information and Inandling Instructions.

EMERGENCY MEDICAL OR SPILL CONTROL INFORMATION (304) 843-1300; IN CANADA (514) 645-1320.

Honey, Kelly

From:

Beverly Morgan [bjmorgan@tecoenergy.com]

Sent:

Tuesday, April 23, 2002 12:50 PM

To: Subject: Honey, Kelly Re: Used Oil labels

Yes, it was changed.

>>> "Honey, Kelly" <Kelly.Honey@dep.state.fl.us> 04/23/02 11:04AM >>> Beverly:

Have the AST and drums containing "junk oil" in Substation Operations been relabeled as "used oil" yet? Please let me know so I can put it in my report.

Thanks, Kelly Honey RCRA / Division of Waste Management 813/744-6100 (SunCom 512-1042), ext. 369 PPG INDUSTRIES COATINGS & RESINS GROUP -- DP401LF EPOXY PRIMER CATALYST

MATERIAL SAFETY DATA SHEET

NSN: 801000F050510

Manufacturer's CAGE: PPGIN

Part No. Indicator: A

Part Number/Trade Name: DP401LF EPOXY PRIMER CATALYST

General Information

Company's Name: PPG INDUSTRIES INC COATINGS & RESINS GROUP

Company's Street: 4325 ROSANNA DR

Company's P. O. Box: 9

Company's City: ALLISON PARK

Company's State: PA Company's Country: US

Company's Zip Code: 15101-5000 Company's Emerg Ph #: 304-843-1300 Company's Info Ph #: 412-492-5555 Record No. For Safety Entry: 001 Tot Safety Entries This Stk#: 001

Status: SE

Date MSDS Prepared: 29APR94 Safety Data Review Date: 06SEP96

Preparer's Company: PPG INDUSTRIES INC COATINGS & RESINS GRO

Preparer's St Or P. O. Box: 4325 ROSANNA DR

Preparer's City: ALLISON PARK

Preparer's State: PA

Preparer's Zip Code: 15101-5000

MSDS Serial Number: CFCCV

Ingredients/Identity Information

Proprietary: NO

Ingredient: 2-HEPTANONE, METHYL N-AMYL KETONE

Ingredient Sequence Number: 01

Percent: 20-25

NIOSH (RTECS) Number: MJ5075000

CAS Number: 110-43-0 OSHA PEL: 465 MG/CUM ACGIH TLV: 233 MG/CUM

Other Recommended Limit: 50 PPM

Proprietary: NO

Ingredient: 2-BUTOXYETHANOL (ETHYLENE GLYCOL MONOBUTYL ETHER), BUTYL

CELLOSOLVE, BUTYL GLYCOL, GLYCOL ETHER EB * 96-2 *

Ingredient Sequence Number: 02

Percent: 5-10

NIOSH (RTECS) Number: KJ8575000

CAS Number: 111-76-2 OSHA PEL: 50 PPM (SKIN) ACGIH TLV: 25 PPM (SKIN)

Other Recommended Limit: 25 PPM (SKIN)

Proprietary: NO

Ingredient: ISOPROPANOL (ISOPROPYL ALCOHOL), 2-PROPANOL, DIMETHYL CARBINOL

(IARC CANCER REVIEW GROUP 3) *96-2*

Ingredient Sequence Number: 03

Percent: 5-10

NIOSH (RTECS) Number: NT8050000

CAS Number: 67-63-0 OSHA PEL: 400 PPM ACGIH TLV: 400 PPM

Other Recommended Limit: 400 PPM

Proprietary: NO

Ingredient: ACETIC ACID, C6-8-BRANCHED ALKYL ESTERS, C3-8-BRANCHED ALKYL

ESTERS ACETIC ACID

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Ingredient Sequence Number: 04
Percent: 15-20
NIOSH (RTECS) Number: 1004618HA
CAS Number: 90438-79-2
_____
Proprietary: NO
Ingredient: XYLENE, DIMETHYLBENZENE, XYLOL (IARC - GROUP 3) *96-2*
Ingredient Sequence Number: 05
Percent: 15-20
NIOSH (RTECS) Number: ZE2100000
CAS Number: 1330-20-7
OSHA PEL: 100 PPM
ACGIH TLV: 100 PPM, SKIN
Other Recommended Limit: 100 PPM
Proprietary: NO
Ingredient: FILM FORMERS, RESINS, AND ADDITIVES
Ingredient Sequence Number: 06
Percent: 25-30
NIOSH (RTECS) Number: 1005437FF
Proprietary: NO
Ingredient: GLYCOL ETHERS
Ingredient Sequence Number: 07
Percent: 5-10
NIOSH (RTECS) Number: 1000675GE
Physical/Chemical Characteristics
______
Appearance And Odor: VISCOUS LIQUID W/CHARACTERISTIC ODOR OF THE SOLVENTS
LISTED.
Boiling Point: 179.6-392F
Vapor Pressure (MM Hg/70 F): 7.8
Vapor Density (Air=1): >1
Specific Gravity: 0.88
Evaporation Rate And Ref: (BU OAC =100): 59
Solubility In Water: 15.3
Percent Volatiles By Volume: 73
Fire and Explosion Hazard Data
Flash Point: 40F
Flash Point Method: PMCC
Lower Explosive Limit: 1.5
Extinguishing Media: CO2, DRY CHEMICAL/UNIVERSAL AQUEOUS FILM FORMING
FOAM.
Special Fire Fighting Proc: WATER SPRAY MAY BE INEFFECTIVE. WATER SPRAY
MAY BE USED TO COOL CLOSED CONTAINERS. IF WATER IS USED, FOG NOZZLES ARE
PREFERABLE. WEAR SCBA.
Unusual Fire And Expl Hazrds: KEEP CONTAINERS TIGHTLY CLOSED. ISOLATE FROM
HEAT, ELECTRICAL EQUIPMENT & OTHER IGNITION SOURCES. DON'T APPLY TO HOT
SURFACES. (SEE SUPP)
______
                        Reactivity Data
______
Stability: YES
Cond To Avoid (Stability): HEAT, SPARKS, OPEN FLAMES, ELECTRICAL EQUIPMENT
& OTHER IGNITION SOURCES. TEMP >120F.
Materials To Avoid: STRONG ALKALIES, STRONG MINERAL ACIDS/STRONG OXIDIZING
AGENTS.
Hazardous Decomp Products: HEATED, WELDING, BRAZING/FLAME CUTTING: CO,
OXIDES OF NITROGEN.
Hazardous Poly Occur: NO
```

Health Hazard Data

Route Of Entry - Inhalation: YES

Route Of Entry - Skin: YES Route Of Entry - Ingestion: YES Health Haz Acute And Chronic: HA. MFUL IF SWALLOWED/INHALED. MAY IRRITATION TO EYES, NOSE & THROAT. REPEATED EXPOSURE TO HIGH VAPOR CONCENTRATIONS MAY CAUSE IRRITATION OF THE RESPIRATORY SYSTEM & PERMANENT BRAIN & NERVOUS SYSTEM DAMAGE. Carcinogenicity - NTP: NO Carcinogenicity - IARC: NO Carcinogenicity - OSHA: NO Explanation Carcinogenicity: NONE Signs/Symptoms Of Overexp: IRRITATION, EYE WATERING, HEADACHES, NAUSEA, DIZZINESS, LOSS OF COORDINATION, REDNESS, ITCHING, BURNING, VISUAL DISTURBANCES, DRYNESS, CRACKING, SWELLING.
Emergency/First Aid Proc: INGESTION: DON'T INDUCE VOMITING. EYES: FLUSH W/WATER FOR 15 MINS. SKIN: FLUSH W/WATER, FOLLOWED BY WATERLESS HAND CLEANER & SOAP. INHALATION: REMOVE TO FRESH AIR. GIVE CPR IF NEEDED. OBTAIN MEDICAL ATTENTION IN ALL CASES.
Precautions for Safe Handling and Use
Steps If Matl Released/Spill: USE MAXIMUM VENTILATION. ONLY PERSONNEL EQUIPPED W/PROPER RESPIRATORY & SKIN/EYE PROTECTION, PERMITTED. REMOVE IGNITION SOURCES. TAKE UP W/SAWDUST, VERMICULITE/OTHER ABSORBENT MATERIAL & PLACE INTO CONTAINERS FOR DISPOSAL. Waste Disposal Method: DISPOSE OF IAW/FEDERAL, STATE & LOCAL REGULATIONS. EMPTY CONTAINERS SHOULD BE RECYCLED/DISPOSED OF THROUGH AN APPROVED WASTE MANAGEMENT FACILITY. Precautions-Handling/Storing: GROUND CONTAINER WHEN POURING. AVOID FREE FALL OF LIQUIDS IN EXCESS OF A FEW INCHES. DON'T STORE >120F. Other Precautions: INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING & INHALING THE CONTENTS CAN BE HARMFUL/FATAL.
Control Measures
Respiratory Protection: USE NIOSH/MSHA APPROVED AIR PURIFYING/AIR SUPPLIED RESPIRATORS. Ventilation: GENERAL DILUTION/LOCAL EXHAUST VENTILATION. Protective Gloves: NITRILE/NEOPRENE RUBBER Eye Protection: CHEMICAL SPLASH GOGGLES/FULL FACE SHIELD Other Protective Equipment: IMPERMEABLE APRON Suppl. Safety & Health Data: UNUSUAL FIRE CONT'D: CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT. TOXIC GASES MAY FORM WHEN PRODUCT IS CONTACTED BY FLAME/HOT SURFACES.
Transportation Data
Disposal Data
Label Data

PPG INDUSTRIES COATINGS & RESINS GROUP -- DP402LF EPOXY PRIMER CATALYST MATERIAL SAFETY DATA SHEET NSN: 801000F050512 Manufacturer's CAGE: PPGIN Part No. Indicator: A Part Number/Trade Name: DP402LF EPOXY PRIMER CATALYST General Information _______ Company's Name: PPG INDUSTRIES INC COATINGS & RESINS GROUP Company's Street: 4325 ROSANNA DR Company's P. O. Box: 9 Company's City: ALLISON PARK Company's State: PA Company's Country: US Company's Zip Code: 15101-5000 Company's Emerg Ph #: 304-843-1300 Company's Info Ph #: 412-492-5555 Record No. For Safety Entry: 001 Tot Safety Entries This Stk#: 001 Status: SE Date MSDS Prepared: 29APR94 Safety Data Review Date: 06SEP96 Preparer's Company: PPG INDUSTRIES INC COATINGS & RESINS GRO Preparer's St Or P. O. Box: 4325 ROSANNA DR Preparer's City: ALLISON PARK Preparer's State: PA Preparer's Zip Code: 15101-5000 MSDS Serial Number: CCCKV Ingredients/Identity Information ______ Proprietary: NO

Ingredient: ALIPHATIC AMINE ADDUCT Ingredient Sequence Number: 01

Percent: 5-10

NIOSH (RTECS) Number: 1003365AA

Proprietary: NO

Ingredient: DIETHYLENETRIAMINE, ETHYLENEDIAMINE, N-(2-AMINOETHYL);

BIS(2-AMINOETHYL)AMINE *96-2* Ingredient Sequence Number: 02

Percent: 1-2

NIOSH (RTECS) Number: IE1225000

CAS Number: 111-40-0 ACGIH TLV: 1 PPM (SKIN)

Other Recommended Limit: 4 MG/CUM

Proprietary: NO

Ingredient: PROPYLENE GLYCOL METHYL ETHER (1-METHOXY-2-PROPANOL) PROPYLENE

GLYCOL MONO METHYL ETHER *96-2* Ingredient Sequence Number: 03

Percent: 30-35

NIOSH (RTECS) Number: UB7700000

CAS Number: 107-98-2 ACGIH TLV: 100 PPM

Other Recommended Limit: 100 PPM ______

Proprietary: NO

Ingredient: METHYL ETHYL KETONE, 2-BUTANONE *96-2*

Ingredient Sequence Number: 04

Percent: 10-15

NIOSH (RTECS) Number: EL6475000

CAS Number: 78-93-3 OSHA PEL: 200 PPM ACGIH TLV: 590 MG/CUM

Other Recommended Limit: 590 MG/CUM

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Proprietary: NO
Ingredient: 2-HEPTANONE, METHYL W-AMYL KETONE
Ingredient Sequence Number: 05
Percent: 5-10
NIOSH (RTECS) Number: MJ5075000
CAS Number: 110-43-0
OSHA PEL: 465 MG/CUM
ACGIH TLV: 233 MG/CUM
Other Recommended Limit: 50 PPM
______
Proprietary: NO
Ingredient: ISOPROPANOL (ISOPROPYL ALCOHOL), 2-PROPANOL, DIMETHYL CARBINOL
(IARC CANCER REVIEW GROUP 3) *96-2*
Ingredient Sequence Number: 06
Percent: 2-5
NIOSH (RTECS) Number: NT8050000
CAS Number: 67-63-0
OSHA PEL: 400 PPM
ACGIH TLV: 400 PPM
Other Recommended Limit: 400 PPM
______
Proprietary: NO
Ingredient: BUTANOL, N-BUTYL ALCOHOL, PROPYL CARBINOL, BUTYL ALCOHOL
Ingredient Sequence Number: 07
Percent: 5-10
NIOSH (RTECS) Number: E01400000
CAS Number: 71-36-3
OSHA PEL: 100 PPM
ACGIH TLV: C 152 MG/CUM
Other Recommended Limit: 300 MG/CUM
______
Proprietary: NO
Ingredient: TOLUENE (IARC CARC- GROUP 3) *96-2*
Ingredient Sequence Number: 08
Percent: 2-5
NIOSH (RTECS) Number: XS5250000
CAS Number: 108-88-3
OSHA PEL: 100 PPM
ACGIH TLV: 100 PPM
Other Recommended Limit: 375 MG/CUM
_____
Proprietary: NO
Ingredient: ISOPARAFFINIC HYDROCARBONS (NAPHTHA PETROLEUM), HYDROTREATED
HEAVY, NON AROMATIC HEAVY NAPHTHA) ISOPAR G
Ingredient Sequence Number: 09
Percent: 1-2
NIOSH (RTECS) Number: 1000047NA
CAS Number: 64742-48-9
______
Proprietary: NO
Ingredient: OXO-HEXYL ACETATE *96-2*
Ingredient Sequence Number: 10
Percent: 2-5
NIOSH (RTECS) Number: 1004009HA
CAS Number: 88230-35-7
_____
Proprietary: NO
Ingredient: FILM FORMERS, RESINS, AND ADDITIVES
Ingredient Sequence Number: 11
Percent: 20-25
NIOSH (RTECS) Number: 1005437FF
_______
                  Physical/Chemical Characteristics
______
```

Appearance And Odor: VISCOUS LIQUID W/CHARACTERISTIC ODOR OF THE SOLVENTS LISTED.

Boiling Point: 132-8-401F

Vapor Pressure (MM Hg/70 F): 24

Vapor Density (Air=1): >1
Specific Gravity: 0.93

Evaporation Rate And Ref: (BU OAC =100): 218

Solubility In Water: 42.8

Percent Volatiles By Volume: 72.48

Fire and Explosion Hazard Data

Flash Point: 36F

Flash Point Method: PMCC Lower Explosive Limit: 1.7

Extinguishing Media: CO2, DRY CHEMICAL/UNIVERSAL AQUEOUS FILM FORMING

FOAM.

Special Fire Fighting Proc: WATER SPRAY MAY BE INEFFECTIVE. WATER SPRAY MAY BE USED TO COOL CLOSED CONTAINERS. IF WATER IS USED, FOG NOZZLES ARE PREFERABLE. WEAR SCBA.

Unusual Fire And Expl Hazrds: KEEP CONTAINERS TIGHTLY CLOSED. ISOLATE FROM HEAT, ELECTRICAL EQUIPMENT & OTHER IGNITION SOURCES. DON'T APPLY TO HOT SURFACES. (SEE SUPP)

Reactivity Data

Stability: YES

Cond To Avoid (Stability): HEAT, SPARKS, OPEN FLAMES, ELECTRICAL EQUIPMENT & OTHER IGNITION SOURCES. TEMP >120F.

Materials To Avoid: STRONG ALKALIES, STRONG MINERAL ACIDS/STRONG OXIDIZING AGENTS.

Hazardous Decomp Products: HEATED, WELDING, BRAZING/FLAME CUTTING: CO,

OXIDES OF NITROGEN.

Hazardous Poly Occur: NO

Health Hazard Data

Route Of Entry - Inhalation: YES

Route Of Entry - Skin: YES

Route Of Entry - Ingestion: YES

Health Haz Acute And Chronic: HARMFUL IF SWALLOWED/INHALED. MAY BE

CORROSIVE, BURNS & ALLERGIC REACTIONS. INHALATION: HIGH VAPOR

CONCENTRATIONS MAY CAUSE IRRITATION OF THE RESPIRATORY SYSTEM & PERMANENT BRAIN & NERVOUS SYSTEM DAMAGE.

Carcinogenicity - NTP: NO

Carcinogenicity - IARC: NO

Carcinogenicity - OSHA: NO

Explanation Carcinogenicity: NONE

Signs/Symptoms Of Overexp: IRRITATION, EYE WATERING, HEADACHES, NAUSEA, DIZZINESS, LOSS OF COORDINATION, REDNESS, ITCHING, BURNING, VISUAL DISTURBANCES, DRYNESS, CRACKING, SWELLING.

Emergency/First Aid Proc: INGESTION: GIVE 1-2 GLASSES OF WATER. DON'T INDUCE VOMITING. SKIN: FLUSH W/WATER, FOLLOWED BY WATERLESS HAND CLEANER & SOAP. INHALATION: REMOVE TO FRESH AIR. GIVE CPR IF NEEDED. EYES: FLUSH W/WATER FOR 30 MINS. OBTAIN MEDICAL ATTENTION IN ALL CASES.

Precautions for Safe Handling and Use

Steps If Matl Released/Spill: USE MAXIMUM VENTILATION. ONLY PERSONNEL

EQUIPPED W/PROPER RESPIRATORY & SKIN/EYE PROTECTION, PERMITTED. REMOVE IGNITION SOURCES. TAKE UP W/SAWDUST, VERMICULITE/OTHER ABSORBENT MATERIAL & PLACE INTO CONTAINERS FOR DISPOSAL.

Waste Disposal Method: DISPOSE OF IAW/FEDERAL, STATE & LOCAL REGULATIONS. EMPTY CONTAINERS SHOULD BE RECYCLED/DISPOSED OF THROUGH AN APPROVED WASTE MANAGEMENT FACILITY.

Precautions-Handling/Storing: GROUND CONTAINER WHEN POURING. AVOID FREE FALL OF LIQUIDS IN EXCESS OF A FEW INCHES. DON'T STORE >120F.

Other Precautions: INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING & INHALING THE CONTENTS CAN BE HARMFUL/FATAL.

Respiratory Protection: USE NIOSH/MSHA APPROVED AIR PURIFYING/AIR SUPPLIED
RESPIRATORS.
Ventilation: GENERAL DILUTION/LOCAL EXHAUST VENTILATION.
Protective Gloves: BUTYL, NEOPRENE/NITRILE RUBBER
Eye Protection: CHEMICAL SPLASH GOGGLES/FULL FACE SHIELD
Other Protective Equipment: IMPERMEABLE CLOTHING
Suppl. Safety & Health Data: UNUSUAL FIRE CONT'D: CLOSED CONTAINERS MAY
EXPLODE WHEN EXPOSED TO EXTREME HEAT. TOXIC GASES MAY FORM WHEN PRODUCT IS
CONTACTED BY FLAME/HOT SURFACES.
Transportation Data
Disposal Data
Label Data

Co ol Measures

PPG INDUSTRIES COATINGS & RESINS GROUP -- DP50LF EPOXY PRIMER (NON CHROME) MATERIAL SAFETY DATA SHEET NSN: 801000F050514 Manufacturer's CAGE: PPGIN Part No. Indicator: A Part Number/Trade Name: DP50LF EPOXY PRIMER (NON CHROME) ______ General Information ______ Company's Name: PPG INDUSTRIES INC COATINGS & RESINS GROUP

Company's Street: 4325 ROSANNA DR

Company's P. O. Box: 9

Company's City: ALLISON PARK

Company's State: PA Company's Country: US

Company's Zip Code: 15101-5000 Company's Emerg Ph #: 304-843-1300 Company's Info Ph #: 412-492-5555 Record No. For Safety Entry: 001 Tot Safety Entries This Stk#: 001

Status: SE

Date MSDS Prepared: 04MAY94 Safety Data Review Date: 06SEP96

Preparer's Company: PPG INDUSTRIES INC COATINGS & RESINS GRO

Preparer's St Or P. O. Box: 4325 ROSANNA DR

Preparer's City: ALLISON PARK

Preparer's State: PA

Preparer's Zip Code: 15101-5000

MSDS Serial Number: CCCKX

______ Ingredients/Identity Information

Proprietary: NO

Ingredient: BISPHENOL A DIGLYCIDYL ETHER RESIN, EPOXY RESIN, EPON 820,

ARALDITE 6004, AMINE ADDUCT, ARALDITE GY250 *96-2*

Ingredient Sequence Number: 01

Percent: 10-15

NIOSH (RTECS) Number: KD4380000

CAS Number: 25068-38-6

Proprietary: NO

Ingredient: SILICA, AMORPHOUS, PRECIPITATED AND GEL, SYNTHETIC

CRYSTALLINE-FREE SILICA GEL *96-2* Ingredient Sequence Number: 02

·----

Percent: 1-2

NIOSH (RTECS) Number: VV7315000

CAS Number: 112926-00-8 ACGIH TLV: 10 MG/CUM

Proprietary: NO

Ingredient: CARBONIC ACID, CALCIUM SALT (1:1), CALCIUM CARBONATE, DURAMITE

Ingredient Sequence Number: 03

Percent: 5-10

NIOSH (RTECS) Number: FF9335000

CAS Number: 471-34-1

Other Recommended Limit: 10 MG/CUM (DUST)

Proprietary: NO

Ingredient: BARIUM SULFATE, BARYTES *96-2*

Ingredient Sequence Number: 04

Percent: 10-15

NIOSH (RTECS) Number: CR0600000

CAS Number: 7727-43-7 OSHA PEL: 10 MG/CUM ACGIH TLV: 10 MG/CUM

Proprietary: NO

Same compound that is in Bartex® (BARYTS)
IS Itak? or do they never

Ingredient: ZINC PHOSPHATE, ZINC ORTHOPHOSPHATE Ingredient Sequence Number: 05 Percent: 5-10 NIOSH (RTECS) Number: TD0590000 CAS Number: 7779-90-0 OSHA PEL: 15 MG/CUM ACGIH TLV: 10 MG/CUM Other Recommended Limit: 10 MG/CUM Proprietary: NO Ingredient: TALC (POWDER), (ASBESTOS FREE), TALCUM; HYDROUS MAGNESIUM SILICATE Ingredient Sequence Number: 06 Percent: 2-5 NIOSH (RTECS) Number: WW2710000 CAS Number: 14807-96-6 OSHA PEL: 2 MG/CUM (RESP DUST) ACGIH TLV: 2 MG/CUM (RESP DUST) ______ Proprietary: NO Ingredient: TITANIUM DIOXIDE, TITANIUM OXIDE (SUSPECTED ANIMAL CARCINOGEN, IARC GROUP 3) *96-2* Ingredient Sequence Number: 07 Percent: 5-10 NIOSH (RTECS) Number: XR2275000 CAS Number: 13463-67-7 OSHA PEL: 15 MG/CUM ACGIH TLV: 10 MG/CUM (DUST) Proprietary: NO Ingredient: XYLENE, DIMETHYLBENZENE, XYLOL (IARC - GROUP 3) *96-2* Ingredient Sequence Number: 08 Percent: 2-5 NIOSH (RTECS) Number: ZE2100000 CAS Number: 1330-20-7 OSHA PEL: 100 PPM ACGIH TLV: 100 PPM, SKIN Other Recommended Limit: 100 PPM _____ Proprietary: NO Ingredient: SOLVENT NAPHTHA, PETROLEUM, LIGHT AROMATIC, HIGH FLASH AROMATIC NAPHTHA, C8&10 AROMATIC HYDROCARBON *96-2* Ingredient Sequence Number: 09 Percent: 5-10 NIOSH (RTECS) Number: WF3400000 CAS Number: 64742-95-6 Proprietary: NO Ingredient: 2-HEPTANONE, METHYL N-AMYL KETONE Ingredient Sequence Number: 10 Percent: 10-15 NIOSH (RTECS) Number: MJ5075000 CAS Number: 110-43-0 OSHA PEL: 465 MG/CUM ACGIH TLV: 233 MG/CUM Other Recommended Limit: 50 PPM _____ Proprietary: NO Ingredient: TOLUENE (IARC CARC- GROUP 3) *96-3* Ingredient Sequence Number: 11 Percent: 2-5 NIOSH (RTECS) Number: XS5250000 CAS Number: 108-88-3 OSHA PEL: 100 PPM ACGIH TLV: 100 PPM Other Recommended Limit: 375 MG/CUM

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Proprietary: NO
Ingredient: HEXONE, METHYL ISOB 'L KETONE (MIBK), 4-METHYL-2-PF ANONE
Ingredient Sequence Number: 12
Percent: 5-10
NIOSH (RTECS) Number: SA9275000
CAS Number: 108-10-1
OSHA PEL: 410 MG/CUM
ACGIH TLV: 205 MG/CUM
Other Recommended Limit: 50 PPM
_____
Proprietary: NO
Ingredient: 2-BUTOXYETHANOL (ETHYLENE GLYCOL MONOBUTYL ETHER), BUTYL
CELLOSOLVE, BUTYL GLYCOL, GLYCOL ETHER EB * 96-2 *
Ingredient Sequence Number: 13
Percent: 2-5
NIOSH (RTECS) Number: KJ8575000
CAS Number: 111-76-2
OSHA PEL: 50 PPM (SKIN)
ACGIH TLV: 25 PPM (SKIN)
Other Recommended Limit: 25 PPM (SKIN)
_____
Proprietary: NO
Ingredient: FILM FORMERS, RESINS, AND ADDITIVES
Ingredient Sequence Number: 14
Percent: 2-5
NIOSH (RTECS) Number: 1005437FF
Proprietary: NO
Ingredient: CRYSTALLINE-QUARTZ SILICA, SILICA DUST (SUSPECTED HUMAN
CARCINOGEN BY IARC-GROUP 2A; SUSPECTED CARCINOGEN NTP) *96-3*
Ingredient Sequence Number: 15
Percent: <1
NIOSH (RTECS) Number: VV7330000
CAS Number: 14808-60-7
OSHA PEL: 10 MG/CUM %RESP SIO2
ACGIH TLV: 0.1 MG/CUM RESP DUST
Other Recommended Limit: 0.05 MG/CUM (NIOSH)
```

Proprietary: NO

Ingredient: BARIUM COMPOUNDS
Ingredient Sequence Number: 16

Percent: 10-15

NIOSH (RTECS) Number: 1008816BC

Proprietary: NO

Ingredient: GLYCOL ETHERS
Ingredient Sequence Number: 17

Percent: 2-5

NIOSH (RTECS) Number: 1000675GE

Physical/Chemical Characteristics

Appearance And Odor: VISCOUS LIQUID W/CHARACTERISTIC ODOR OF THE SOLVENTS

LISTED.

Boiling Point: 230-381.2F

Vapor Pressure (MM Hg/70 F): 7.5

Vapor Density (Air=1): >1
Specific Gravity: 1.38

Evaporation Rate And Ref: (BU OAC =100): 79

Solubility In Water: 4.6

Percent Volatiles By Volume: 61.04

Fire and Explosion Hazard Data

Flash Point: 80F

Flash Point Method: PMCC Lower Explosive Limit: 1.2 Extinguishing Media: CO2, DRY CHEMICAL/UNIVERSAL AQUEOUS FILM FORMING

Special Fire Fighting Proc: WAT. SPRAY MAY BE INEFFECTIVE. WATE. SPRAY MAY BE USED TO COOL CLOSED CONTAINERS. IF WATER IS USED, FOG NOZZLES ARE PREFERABLE. WEAR SCBA.

Unusual Fire And Expl Hazrds: KEEP CONTAINERS TIGHTLY CLOSED. ISOLATE FROM HEAT, ELECTRICAL EQUIPMENT & OTHER IGNITION SOURCES. DON'T APPLY TO HOT SURFACES. (SEE SUPP)

Reactivity Data

Stability: YES

Cond To Avoid (Stability): HEAT, SPARKS, OPEN FLAMES, ELECTRICAL EQUIPMENT & OTHER IGNITION SOURCES. TEMP >120F.

Materials To Avoid: STRONG ALKALIES, STRONG MINERAL ACIDS/STRONG OXIDIZING AGENTS.

Hazardous Decomp Products: HEATED, WELDING, BRAZING/FLAME CUTTING: CO, HYDROGEN CHLORIDE, CHLORINE.

Hazardous Poly Occur: NO

Health Hazard Data

Route Of Entry - Inhalation: YES

Route Of Entry - Skin: YES

Route Of Entry - Ingestion: YES

Health Haz Acute And Chronic: HARMFUL IF SWALLOWED, ABSORBED THROUGH THE SKIN & INHALED. EYES: IRRITATION. SKIN: IRRITATION, ALLERGIC REACTIONS. INHALATION: IRRITATION TO NOSE & THROAT. REPEATED EXPOSURE TO HIGH VAPOR CONCENTRATIONS MAY CAUSE IRRITATION OF THE RESPIRATORY SYSTEM & PERMANENT BRAIN & NERVOUS SYSTEM DAMAGE. (SEE SUPP)

Carcinogenicity - NTP: YES

Carcinogenicity - IARC: YES

Carcinogenicity - OSHA: NO

Explanation Carcinogenicity: SEE INGREDIENTS.

Signs/Symptoms Of Overexp: IRRITATION, EYE WATERING, HEADACHES, NAUSEA, DIZZINESS, LOSS OF COORDINATION, REDNESS, ITCHING, BURNING, VISUAL DISTURBANCES, DRYNESS, CRACKING, SWELLING.

Emergency/First Aid Proc: INGESTION: DON'T INDUCE VOMITING. EYES: FLUSH IMMEDIATELY W/PLENTY OF WATER FOR 15 MINS. SKIN: FLUSH W/WATER, FOLLOWED BY WATERLESS CLEANER & SOAP. INHALATION: REMOVE TO FRESH AIR. GIVE CPR IF NEEDED. INGESTION: CONTACT A POISON CONTROL CENTER & HAVE MATERIAL SAFETY DATA SHEET INFORMATION AVAILABLE. OBTAIN MEDICAL ATTENTION IN ALL CASES.

Precautions for Safe Handling and Use

Steps If Matl Released/Spill: USE MAXIMUM VENTILATION. ONLY PERSONNEL EQUIPPED W/PROPER RESPIRATORY & SKIN/EYE PROTECTION, PERMITTED. REMOVE IGNITION SOURCES. TAKE UP W/SAWDUST, VERMICULITE/OTHER ABSORBENT MATERIAL &

PLACE INTO CONTAINERS FOR DISPOSAL.

Waste Disposal Method: DISPOSE OF IAW/FEDERAL, STATE & LOCAL REGULATIONS. EMPTY CONTAINERS SHOULD BE RECYCLED/DISPOSED OF THROUGH AN APPROVED WASTE MANAGEMENT FACILITY.

Precautions-Handling/Storing: GROUND CONTAINER WHEN POURING. AVOID FREE FALL OF LIQUIDS IN EXCESS OF A FEW INCHES. DON'T STORE >120F.

Other Precautions: INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING & INHALING THE CONTENTS CAN BE HARMFUL/FATAL.

Control Measures

Respiratory Protection: USE NIOSH/MSHA APPROVED AIR PURIFYING/AIR SUPPLIED RESPIRATORS.

Ventilation: GENERAL DILUTION/LOCAL EXHAUST VENTILATION.

Protective Gloves: NITRILE/NEOPRENE RUBBER

Eye Protection: CHEMICAL SPLASH GOGGLES/FULL FACE SHIELD

Other Protective Equipment: IMPERMEABLE APRON.

Suppl. Safety & Health Data: UNUSUAL FIRE CONT'D: CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT. TOXIC GASES MAY FORM WHEN PRODUCT IS

CONTACTED BY FLAME/HOT SURFACES. HEALTH HAZARDS CONT'D: CRYSTALLINE SILICA/ QUARTZ MAY LEAD TO SILICOSIS.	
Transportation Data	
Disposal Data	
Label Data	

Honey, Kelly

From: Sent:

Griffith, John

Monday, April 22, 2002 10:27 AM

To:

Subject:

Honey, Kelly RE: Biennial Report for TECO-Central Operations (FLD 981 477 904)



TECO01SHP.TXT



TECO01SRC.TXT



TECO01WASTE.TXT

Kelly,

Generated by TECO-Central Operations (FLD 981 477 904):

SOUF	RCE PROCESS	TONS_1999	TONS_2001
G06	Painting and coating (manufacturing, bu	i 0.350	0.480
G07	Product and by-product processing (dire	ec 0.300	0.250
G08	Removal of spent process liquids or cat	a 0.200	0.000
G11	Discarding off-specification or out-of-d	4.978	0.704
G14	Removal of tank sludge, sediments or s	la 0.075	0.000
G16	Oil changes and filter or battery replac	0.775	1.513

EΡΔ	WASTE_CODE	TONS_	1999	TONS_2001
		_		
D001	Ignitable waste	0.275	0.330)
D002	Corrosive waste	0.000	0.60)4
D004	Arsenic	0.000	0.100	
D006	Cadmium	0.225	0.000)
D008	Lead	6.053	2.013	
D009	Mercury	4.978	0.000	
D010	Selenium (AF 5 ludge - 10 longer Methyl ethyl ketone	0.775	1.513	
D035	Methyl ethyl ketone	0.200	0.2	30
F001	See BRS Waste Code doc	0.200	0.000)
F002	See BRS Waste Code doc	0.200	0.000)
(Waste	code Quantities may be double co	unted)		

Shipped to:

WASTE FORM

WASILIOIW			
TSD SYSTEM	TONS	_1999	TONS_2001
W119 Other inorganic liquid (specify in comme			
H121 Neutralization only (no other treatments	ent)	0.000	0.604
W206 Waste oil			
H141 Storage, bulking, and/or transfer off	-si	0.200	0.000
W209 Paint, ink, lacquer, or varnish (fluid,			
H061 Fuel blending prior to energy recover	ery a	0.000	0.230
W209 Paint, ink, lacquer, or varnish (fluid,			
H141 Storage, bulking, and/or transfer of	-si	0.200	0.100
W219 Other organic liquid (specify in comment			
H141 Storage, bulking, and/or transfer of		0.775	1.513
W319 Other inorganic solids (specify in comme			
H141 Storage, bulking, and/or transfer of		5.428	0.500
W603 Oily sludge (not W512 contaminated muc			
H141 Storage, bulking, and/or transfer of	f-si	0.075	0.000

Jack Griffith (850)921-9219 MS 4555 2600 Blair Stone Road

Tallahassee, Fl. 32399-2400 john.griffith@dep.state.fl.us

----Original Message-----

From:

Honey, Kelly

Sent:

Thursday, April 18, 2002 4:07 PM

To:

Griffith, John

Subject:

Biennial Report for TECO-Central Operations (FLD 981 477 904)

Jack:

Can you please send me the information on what this facility disposed of last year (quantities and codes, please)? I would so very gratefully appreciate it.

Thanks, Kelly Honey RCRA / Division of Waste Management 813/744-6100 (SunCom 512-1042), ext. 369 — Section 1 — Product Identification



Material Safety Data Sheet

The Sherwin-Williams Co. 101 Prospect Ave. N.W. Cleveland, OH 44115 Emergency telephone number Information telephone number Date of preparation (216) 566-2917 (216) 566-2902 May 28, 1998

©1998, The Sherwin-Williams Co.

STEEL MASTER™ 9500 - 30% Silicone Alkyd

B56-300

												-	
CAS No.	- Section 2 — Hazardous Ingredients (percent by weight)	ACGIH TLV <stel></stel>	OSHA PEL <stel></stel>	Units	Vapor Pressure (mm Hg)	B56W301 Pure White	B56W302 Midtone Base	B56W303 Deeptone Base	B56T304 Ultradeep Base	B56W300 Ultra White	B56B300 Black	B56R300 Safety Red	B56Y300 Safety Yellow
108-65-6	1-Methoxy-2-Propanol Acetate	Not Est	tablished	1	1.8	< 39	% may be ad	ded due to tir	nting				
64742-88-7	Mineral Spirits.	100	100	PPM	2.0	3 - 6	3 - 6	2 - 5	3 - 6	3	3	3	3
1330-20-7 §	Xylene.	100 <150>	100 <150>	PPM	5.9	1	1	1	1	1	1	1	1
64742-95-6	Light Aromatic Hydrocarbons.		tablished	i	3.8	4	4	5	5	4	5	5	5
98-82-8 §	Cumene.	50	50 I	PPM (Skir	n) 10.0	1	1	1	1		1	1	1
108-67-8	1,3,5-Trimethylbenzene	25	25	PPM	10.0	5	5	6	6	5	6	6	6
95-63-6 §	1,2,4-Trimethylbenzene	25	25	РРМ	2.0	8	8	8	9	8	9	9	8
136-52-7	Cobalt 2-Ethylhexanoate.	Not Es	tablished	i								0.1	0.1
13463-67-7	Titanium Dioxide.	10	10[5]		as Dust Fraction]	16	14	9		25		2	11
1333-86-4	Carbon Black.	3.5	3.5	Mg/M3		0 - 2	0 - 2	0 - 2	0 - 2		2		
§	Cobalt Compound. [% Cobalt]											0.1 [0.03]	0.1 [0.02]
	Weight per Gallon (lbs.)					10.57	10.49	10.56	9.87	11.10	9.85	9.45	10.10
	Solids by Weight (%)					75.3	75.3	75.9	73.7	76.6	73.8	72.1	74.1
	Solids by Volume (%)					63.4	63.6	64.5	63.6	63.5	63.7	63.1	63.2
	VOC (Volatile Organic Compou	ınds) - Ibs	s./gal.			2.60	2.59	2.54	2.58	2.59	2.58	2.63	2.61
	Photochemically Reactive					Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Flash Point (°F)						113	113	113	112	113	112	112
	HMIS (NFPA) Rating (health - f	flammabili	ity - reac	tivity)		3 - 2 - 0	3 - 2 - 0	3 - 2 - 0	3 - 2 - 0	3 - 2 - 0	3* - 2 - 0	3* - 2 - 0	3* - 2 - 0

Ingredient subject to the reporting requirements of the Superfund Amendments and Reauthorization Act (SARA) Section 313, 40 CFR 372.65 C

Section 3 — Physical Data

See TABLE EVAPORATION RATE Slower than Ether PRODUCT WEIGHT VAPOR DENSITY Heavier than Air SPECIFIC GRAVITY 1 14-1 34 MELTING POINT BOILING RANGE 281-395 °F NΙΔ SOLUBILITY IN WATER VOLATILE VOLUME 35-36 % N.A.

Section 4 — Fire And Explosion Hazard Data

FLAMMABILITY CLASSIFICATION FLASH POINT See TABLE LEL 0.7 Combustible, Flash above 99 and below 200 °F EXTINGUISHING MEDIA

Carbon Dioxide, Dry Chemical, Foam UNUSUAL FIRE AND EXPLOSION HAZARDS

Keep containers tightly closed. Isolate from heat, electrical equipment, sparks, and open flame. Closed containers may explode when exposed to extreme heat. Application to hot surfaces requires special precautions. During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

SPECIAL FIRE FIGHTING PROCEDURES

Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

Section 5 — Health Hazard Data

Exposure may be by INHALATION and/or SKIN or EYE contact, depending on conditions of use. To minimize exposure, follow recommendations for proper use, ventilation, and personal protective equipment.

ACUTE Health Hazards

EFFECTS OF OVEREXPOSURE

Irritation of eyes, skin and respiratory system. May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death. SIGNS AND SYMPTOMS OF OVEREXPOSURE

Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists.

Redness and itching or burning sensation may indicate eye or excessive skin exposure. MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

None generally recognized.

EMERGENCY AND FIRST AID PROCEDURES

If INHALED: If affected, remove from exposure. Restore breathing. Keep warm and quiet.

If on SKIN: Wash affected area thoroughly with soap and water.

Remove contaminated clothing and launder before re-use. Flush eyes with large amounts of water for 15 minutes. Get medical attention. If in EYES:

If SWALLOWED: Get medical attention.

CHRONIC Health Hazards

Carbon Black is classified by IARC as possibly carcinogenic to humans (group 2B) based on experimental animal data, however, there is insufficient evidence in humans for its

Cobalt and cobalt compounds are classified by IARC as possibly carcinogenic to humans (group B) based on experimental animal data, however, there is inadequate evidence in humans for its arcinogenicity.

Prolonged overexposure to solvent ingredients in Section 2 may cause adverse effects to the liver, urinary and reproductive systems.

Rats exposed to titanium dioxide dust at 250 mg./m3 developed lung cancer, however, such exposure levels are not attainable in the workplace.

Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Section 6 — Reactivity Data

STABILITY - Stable CONDITIONS TO AVOID None known. INCOMPATIBILITY None known. HAZARDOUS DECOMPOSITION PRODUCTS By fire: Carbon Dioxide, Carbon Monoxide HAZARDOUS POLYMERIZATION - Will Not Occur

Section 7 — Spill Or Leak Procedures

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Remove all sources of ignition. Ventilate and remove with inert absorbent.

WASTE DISPOSAL METHOD

Waste from these products may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Waste must be tested for ignitability to determine the applicable EPA hazardous waste number.

Incinerate in approved facility. Do not incinerate closed container. Dispose of in accordance with Federal, State, and Local regulations regarding pollution.

Section 8 — Protection Information

PRECAUTIONS TO BE TAKEN IN USE

Use only with adequate ventilation. Avoid breathing vapor and spray mist. Avoid contact with skin and eyes. Wash hands after using.

These coatings may contain materials classified as nuisance particulates (listed "as Dust" in Section 2) which may be present at hazardous levels only during sanding or abrading of the dried film. If no specific dusts are listed in Section 2, the applicable limits for nuisance dusts are ACGIH TLV 10 mg./m3 (total dust), 3 mg./m3 (respirable fraction), OSHA PEL 15 mg./m3 (total dust), 5 mg./m3 (respirable fraction).

Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section 2 is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

RESPIRATORY PROTECTION

If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section 2.

When sanding or abrading the dried film, wear a dust/mist respirator approved by NIOSH/MSHA for dust which may be generated from this product, underlying paint, or the abrasive. PROTECTIVE GLOVES

Wear gloves which are recommended by glove supplier for protection against materials in Section 2. EYE PROTECTION

Wear safety spectacles with unperforated sideshields.

Section 9 — Precautions

DOL STORAGE CATEGORY - 2

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Contents are COMBUSTIBLE. Keep away from heat and open flame.

Consult NFPA Code. Use approved Bonding and Grounding procedures.

Keep container closed when not in use. Transfer only to approved containers with complete and appropriate labeling. Do not take internally. Keep out of the reach of children. OTHER PRECAUTIONS

Intentional misuse by deliberately concentrating and inhaling the contents can be harmful

Section 10 — Other Regulatory Information

CALTFORNIA PROPOSITION 65

WARNING: These products contain chemicals known to the State of California to cause cancer.

TSCA CERTIFICATION

All chemicals in these products are listed, or are exempt from listing, on the TSCA Inventory.

This Material Safety Data Sheet conforms to the Hazard Communication standard, 29 CFR 1910.1200(g)(4), for similar complex mixtures.

The above information pertains to these products as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to these products may substantially alter the composition and hazards of the products. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.



Honey, Kelly

From:

Beverly Morgan [bjmorgan@tecoenergy.com]

Sent:

Tuesday, April 16, 2002 2:58 PM

To:

Honey, Kelly

Cc:

David Lukcic; Jim Cook; Terese Sanchez; Stan Maloy

Subject:

Re: spent lamps



Universal Waste

4-10-02.doc Facility Services located at COC regularly dispatches a maintenance crew to visit the outlining service areas and change out their 4-ft fluorescent lamps. All spent lamps are brought back to COC and stored in the building we visited.

As a universal waste, the lamps may be stored on site for one year. The accumulation date for universal waste starts the day that waste is first placed in the container.

The broken lamps observed during the inspection have been swept into an 8-gallon DOT approved container and labeled "Universal Waste - Broken Lamps". A pickup by Superior Special Services is scheduled for this Thursday, April 18th.

As part of Universal Waste Management awareness training, I developed the attached TEC's Universal Waste Rule for Lamps and Batteries. These guidelines were distributed to designed Environmental Coordinators stationed at our Power Plant and Operation Centers in 1999 and again in April of this year to reflect a change in TEC's Superior Service Representative. Also, as I mentioned on the phone earlier, RCRA and regulated waste management training is currently being developed as a topic to be given during our monthly Supervisory Environmental and Safety Training. This training includes Universal Waste management. If you have any further questions do not hesitate to GroupWise or call me at (813) 641-5020.

y@dep.state.fl.us> 04/15/02 03:08PM >>> Beverly:

I have a couple of questions regarding TECO's spent lamps.

Does the COC still accept lamps from other TECO facilities, or were all the lamps present during the inspection generated solely by the COC?

Does the waste management training given by TECO to its employees cover the management of universal wastes, including spent mercury containing lamps?

What has TECO done, or does it intend to do, with the broken lamp(s) observed on the floor of the storage shed during the inspection?

I appreciate your help.

Sincerely, Kelly Honey RCRA / Division of Waste Management 813/744-6100 (SunCom 512-1042), ext. 369

Universal Waste Rule for Lamps and Batteries

Guidelines for the management and disposal of spent lamps; batteries and mercury-containing devices have been revised. Please make a copy of these guidelines to read through and use as a reference.

It is no longer necessary to submit a Waste Disposal Request to Environmental Affairs for lamps, batteries and mercury-containing devices. They do not count towards your facilities generating status if they are destined for recycling. It is necessary to forward a copy of Certificates of Recycling indicating the type and quantity picked up for recycling, as this information is needed for the reporting of Waste Minimization practices in the Biennial Report.

TEC has a new Superior Special Services Customer Service Representative. Call Kilisha Brown to schedule a pick-up at (1-800-376-7888).

Accumulation-Time Limits:

Florida follows the requirements for small quantity handlers of universal waste (SQHUWs) and for large quantity handlers of universal waste (LQHUWs) set forth in the federal waste management. These are NOT the same guidelines as that is required of generators of Hazardous Waste.

A SQHUW is defined as a facility that does not accumulate more than 5,000 kg of all universal wastes at any time.

A LQHUW is defined as a facility that accumulates 5,000 kg or more of universal wastes at any time.

All types of universal wastes accumulated on site are included in this threshold. For example: if you have one drum of batteries on site which weighs 1,000 kg, then you may have 4,000 kilograms or approximately 16,000 fluorescent lamps. (1 kg = 4 lamps) and still be below the 5,000 kg threshold to remain a SQHUW.

LQHUW & SQHUW must comply with an accumulation time limit of one year for storing universal wastes. The year time period is measured from the time the waste is either generated (the date it becomes a waste) or received from another universal waste handler i.e. a CESQG. Unlike the hazardous waste regulations, the time period begins when the first lamp or battery is accumulated, not when the container becomes full.

If a handler that generally qualifies as a SQHUW has a one-time accumulation of 5,000-kg or more, the handler would be regulated as a LQHUW for the rest of the calendar year in which the 5,000-kg or more of universal waste was accumulated. A handler may reevaluate its status as a LQHUW in the following calendar year.

There is no EPA notification required as a result of the change from SQHUW to LQHUW if the Handler has an EPA ID number. The LQHUW needs to comply with additional universal waste management regulations, which require:

- 1. All employees to be thoroughly familiar with proper waste handling and emergency procedures relating to their responsibilities at the facility; and
- 2. The generator or handler to keep a record of each shipment of universal waste.

At Tampa Electric, it is recommended that all locations that generate universal waste follow LQHUW guidelines. Since all our facilities have EPA ID numbers, as a LQHUW there is no upper limit on the amount of universal waste the facility may accumulate.

When does the 365-Day Clock Begin?

A SQHUW or LQHUW must be able to demonstrate the length of time that the universal waste has been accumulated. The universal waste rule suggests various methods to meet this requirement, including:

- Placing the universal waste in a container that is marked or labeled with the earliest date that a lamp becomes a waste or the lamp was received (from a conditionally exempt facility who has NO clock).
- Marking or labeling each individual item of universal waste with the date it became a waste or was received.
- Maintaining an inventory system, or
- Placing the universal waste in a specific accumulation area.

Recordkeeping:

Large (40 CFR 273.30) and Small (40 CFR 273.19) generators or handlers are required to keep records of their universal waste shipments.

The LQHUW provisions require basic recordkeeping that track all universal waste shipments received and/or sent off-site from their facility.

Records indicating receipt and/or shipment of universal waste must include:

- 1. The name and address of the originating facility or facility to which a universal waste was sent.
- 2. Each type of universal waste received or sent, and
- 3. The date of receipt or transport of universal waste.

These records must be retained for a period of at least three years from the date the universal waste was either received or transported from the facility. The rules do not require a specific recordkeeping form, but any <u>standard business</u> record such as a log, invoice, manifest, or bill of lading will be sufficient.

Satellite Accumulation:

There is no specific provision under 40 CFR 273 for satellite accumulation. The universal waste regulations do not limit the location or number of locations at which a handler may accumulate waste. Thus, a handler may accumulate wastes at or near the point of generation and may do so, in general, for up to one year.

Labeling and Marking:

SQHUWs and LQHUWs follow identical standards for labeling and marking universal wastes. Either the universal waste itself or the container must be labeled or marked clearly. The words to be used are specific to the type of waste, i.e. "Universal Waste - Batteries," or "Used Batteries for Recycling", "Universal Waste Lamps," or "Spent Lamps for Recycling". Universal Waste Labels can be obtained from our contracted Recycler.

Off-Site Shipments:

Waste Lamps may be picked up by a Tampa Electric Company Stores Driver in a "totally enclosed truck" in "good condition" and transported to a TEC LGQ site for storage consolidation; or they may be picked up by a TEC-approved TSDF destined for recycling.

Container Management, Handling and Storage:

Care needs to be taken in packaging lamps, regardless of the particular instructions (or lack of them) from the Recycler. Your main goal is to prevent crushing the lamps, as doing so alters the EPA status of the lamps. Your second goal is to enable easy removal of the lamps by the Recycler. It's best to store the original packaging in a clean, dry place, and then use that packaging to send the used lamps back. If you break a lamp while it's in the box, place the entire box in a plastic bag. Many shippers provide containers at a nominal charge. These purchased containers must meet DOT standards. If they do not, TEC may be held liable.

The following are recommended guidelines for packaging lamps to be recycled:

- 1. Store lamps indoors, away from the elements, oil, moisture, and sources of mechanical damage.
- 2. Use the manufacturer's original box only if it is in good condition.
- 3. Leave no free space in packing containers. A tight fit will keep lamps from rattling around, However:
- 4. Too tight a fit may cause an "implosion". After the manufacturing process, each lamp retains a certain level of vacuum. If lamps are too tightly packed, a lamp will collapse and when it does, it causes a chain reaction and all the lamps in the package will probably break.
- 5. Lamps are 30 times stronger in a vertical position than horizontal. "Bulb Bins" allow for vertical packing. But since the majority of lamps are shipped horizontally, how you pack them (not too loose, not too tight), is critical. For best results:
 - Leave no ends exposed;
 - Do not stack boxes more than five feet high;
 - Stack containers within the vertical plan of the pallet;
 - Tie the containers together, preferably with shrink-wrap;
 - DO NOT tape lamps together.
- 6. When using a steel or fiber drum, use a plastic drum liner. Do not use vermiculite or peanuts for packaging, and do not fill the drums more than 2 inches from the top. Close and seal drums.

- 7. Place fragile lamps and devices, crushed lamps, lamps or devices showing signs of evidence of leakage, spillage, or damage that could cause leakage in a structurally sound closed container such as a drum.
- 8. Always notify your shipper of any broken lamps prior to shipment.

Compliance:

You are responsible for hazardous waste generated at your facility forever. Knowing what happens to your waste can help you avert getting involved in a Superfund cleanup, fines and possible jail terms. Although the carrier is responsible for the waste lamps when they are in route to their destination you should check to ensure the lamps are loaded properly prior to leaving your facility. Make sure they use the right tools designed to pick up the containers, which are loaded into the vehicle. You can contract responsibility you can not contract liability.

From: BRANDY RHIND (813)641 -5087 TAMPA ELECTRIC CO 6944 US HWY 41 NORTH

APOLLO BEACH, FL, 33572



To: Ms. Kelly M. Honey (813)744-6100 Fla. Dept. of Env. Protection 3804 Coconut Palm Dr. S.W. District Ofc. Tampa, FL, 33619

SHIP DATE: 15APR02 WEIGHT: 1 LBS

Ref: 984-93028-18-984

TRK # 7918 1601 3119 5251

33619-FL-US 34 MCFA

TUE A1 Deliver by: 16APR02

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D.E.P.

APR 1 6 2002

Southwest District Tampa

April 15, 2002

Ms. Kelly M. Honey Environmental Specialist Southwest District Florida Department of Environmental Protection 3804 Coconut Palm Drive Tampa, Florida 33619-8318 Via FedEx Airbill No. 7918 1601 3119

Re: Tampa Electric Company

Central Operations Center (COC)

March 28, 2002 Hazardous Waste Inspection

Dear Ms. Honey:

As per your request, I am forwarding documentation of spent lamps and batteries picked up by Superior Special Services for recycling in 2001.

Please contact me at (813) 641-5020 if you have any questions or need additional information.

Sincerely,

Beverly Morgan

Beverly Morgan

Technician

Environmental Affairs

EA/bmr/BJM171

Enclosure

STRAIGHT BILL OF LIVING Purchase Order No. _____ No. ____ 953039

ORIGINAL - NOT NEGOTIABLE SUPERIOR SPECIAL SERVICES, INC.

6	2	-05-	0	1	
		Date			

TO: Consignee	
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□ 4972 Woodville Hwy. Tallahassee, FL 32311 FL0000207449 □ 8503 Sunstate St. Tampa, FL 33634 FL0000369199

FROM: Shipper Teco

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	City TAMPA FL. 33610

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STRAIGHT BILL OF LASING Purchase Order No. _______ No. ____963102

ORIGINAL - NOT NEGOTIABLE SUPERIOR SPECIAL SERVICES, INC.

TO: Consignee	□ 4972 Woodville Hwy. Tallahassee, FL 32311 FL0000207449	503 Sunstate St. Tampa, FL 33634 FL0000369199	FROM: Shipper	
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DRIVERS SIGNATURE

STRAIGHT BILL OF LA VING Purchase Order No. _ ORIGINAL - NOT NEGOTIABLE SUPERIOR SPECIAL SERVICES, INC. TO: Consignee □ 4972 Woodville Hwy. □ 8503 Sunstate St. Tampa, FL 33634 Tallahassee, FL 32311 FROM: Shipper FL0000369199 FL0000207449 Street City I, HEREBY CERTIFY THAT THE LAMPS DESCRIBED IN THE BILL OF LADING ARE CLASSIFIED, DESCRIBED, PACKAGED, MARKED AND LABELED IN 🕏 PROPER CONDITION FOR TRANSPORTATION ACCORDING TO THE APPLICABLE REGULATIONS OF THE DEPT. OF TRANSPORTATION. No. of Lamps Kind of Packaging; Description of Articles Linear Container's Actual НМ Type **Estimate** Special Marks and Exceptions Feet Rec'd Left Spent Mercury containing lamps for recycling - not regulated by D.O.T. Straight Fluorescent Lamps 1' Straight Fluorescent Lamps 2' Straight Fluorescent Lamps 3' Straight Fluorescent Lamps 4' Straight Fluorescent Lamps 5' Straight Fluorescent Lamps 6' Straight Fluorescent Lamps 7' Straight Fluorescent Lamps 8' **SHATTERSHIELD** COMPACTS COMPACTS W/ BALLASTS **U-SHAPED CIRCULAR** INCANDESCEN BROKEN MERCURY CONTAINING DEVICES BATTERIES, WET, FILLED WACID, 8, UN2794,PG-III BATTERIES, WET, FILLED W/ALKALI, 8, UN2795, PG-III NON PCB BALLASTS PCB BALLASTS R.Q. POLYCHLORINATED BIPHENYL'S, 9, UN 2315, PG-III RECEIVED BY: DATE: CUSTOMER SVC: SUPERIOR SPECIAL SERVICES, INC - 8503 SUNSTATE ST, TAMPA, FL 33634 (800) 376-7888 24 HOUR EMERGENCY RESPONSE, SUPERIOR SPECIAL SERVICES, INC. (800) 688-4005 NOTES: SHIPPER CO# ACCEPTED BY:

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DRIVERS SIGNATURE

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^{*}MARK WITH AN "X" TO DESIGNATE HAZARDOUS MATERIAL AS DEFINED IN TITLE 49 OF THE CODE OF FEDERAL REGULATIONS.

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*MARK WITH AN "X" TO DESIGNATE HAZARDOUS MATERIAL AS DEFINED IN TITLE 49 OF THE CODE OF FEDERAL REGULATIONS.

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Honey, Kelly

From:

Honey, Kelly

Sent: To: Monday, April 15, 2002 3:09 PM bjmorgan@tecoenergy.com'

Subject:

spent lamps

Beverly:

I have a couple of questions regarding TECO's spent lamps.

Does the COC still accept lamps from other TECO facilities, or were all the lamps present during the inspection generated solely by the COC?

Does the waste management training given by TECO to its employees cover the management of universal wastes, including spent mercury containing lamps?

What has TECO done, or does it intend to do, with the broken lamp(s) observed on the floor of the storage shed during the inspection?

I appreciate your help.

Sincerely, Kelly Honey RCRA / Division of Waste Management 813/744-6100 (SunCom 512-1042), ext. 369 From: BRANDY RHIND (813)641 -5087 TAMPA ELECTRIC CO 6944 US HWY 41 NORTH

APOLLO BEACH, FL, 33572



To: Ms. Kelly M. Honey (813)744-6100 Fla. Dept. of Env. Protection 3804 Coconut Palm Dr. S.W. District Ofc. Tampa, FL, 33619

33619-FL-US

Ref: 984-93028-18-984

TRK # 7903 7466 5593 8884

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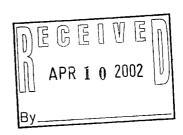


April 9, 2002

Ms. Kelly M. Honey Environmental Specialist Southwest District Florida Department of Environmental Protection 3804 Coconut Palm Drive Tampa, Florida 33619-8318

Via FedEx Airbill No. 7903 7466 5593

Re: Tampa Electric Company
Central Operations Center (COC)
March 28, 2002 Hazardous Waste Inspection



Dear Ms. Honey:

As per your request, I am forwarding to you the following enclosures:

Enclosure 1: A copy of the 1995 Procedures for Handling Hazardous Waste Manual. Please note that an Integrated Contingency Plan (ICP) is being prepared for the Central Operations Center. This ICP consolidates several procedures into a single functional plan for COC to comply with Federal and State of Florida requirements. The plan is currently in DRAFT and is scheduled for release by June 2002.

Enclosure 2: A copy of the Weekly Inspection Checklist for COC's hazardous waste storage area, which has been revised in response to your comments.

Enclosure 3: Receipts from IPC/Magnum for the pickup of the used oil at the garage facility.

Enclosure 4: Lab analysis for the oil/water separator sludge verifying it is non-hazardous.

Enclosure 5: A list of the fire extinguishers at COC and the Meter Dept. (across the street) which were recertified by Eddie Hyman of County Fire Equipment Company on April 8th and 9th, 2002. (P.O. 81574).

Ms. Kelly M. Honey April 9, 2002 Page 2 of 2

I believe that the enclosed information should satisfy your concerns. Please contact me at (813) 641-5020 if you need additional information.

Sincerely,

Beverly Moz on Beverly Morgan Technician

Environmental Affairs

EA/bmr/BJM170

Enclosure



APR-09-2002

WEEKLY INSPECTION SHEET

Time: 3-30 pm	
11-4-02	
Date: Signature:	
Name (Print): Eric SugleThal) Signature.	

PCB Adjacent Storage Area

PCB Waste	Equipment/Container Eabaled?	Equipment Container Free of Leaks	#2
	YES or NO	YES or NO	
YES or NO	YES GI NO	N/A N/A	
NA	N///		
ngn n	Storage Area 10	TX CONV) (9 Bushings) (1 drum)	

PCB Permanent Storage Area	(10 TX CONV) (9 Bushings	(Idrum)
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Doors Shut?	Emergency Response Equipment Ready?	Spill Kit Complete?	PCB Waste In Storage?	Equipment / Container Labeled?	Equipment / Container Free of Leaks
YES or NO	YES or NO	YES or NO	YES or NO	YES or NO	YES or NO

Hazardous Waste 90-Day Storage Area

付き もっこう さかがからん しょうかい		Ready & Clear?	Hazardous Waste In Storage? YES or NO	Containers Labeled? YES or NO	Container Free of Leaks YES or NO
YES or NO	ONE	yes	yes	105	405

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	4. Generator's Phone () 8	13-238-4111	<u>*</u>			SBOROUGI			
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NON-HAZARDOUS WASTE MANIFEST 1. Generat	or's US EPA ID N	o.	Manifest Document No.	2. Page of			1/-47	/
3. Generator's Name and Mailing Address Teco 2200 E. 1/9h Ave. Tpa. Fl. 33 4. Generator's Phone ()	°601			500	nty.	11.71	stricush	
5. Transporter 1 Company Name	6.	US EPA ID N		A. Tran	isporter's Pl			
PCAMAGNUM PLANT CITY		US EPA ID N		B. Tran	sporter's Ph		754-1504	
7. Transporter 2 Company Name	8. 	US ETA IU N					, t	
9. Designated Facility Name and Site Address PCANACHUM - PLANT CITY 105 B. ALEXANDER ST. PLANT CITY, FL 33668	10.	US EPA ID N		C. Faci	lity's Phone	81	3-754-1504	
11. Waste Shipping Name and Description					12. Cont		13. Total	Unit
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Environmental Affairs Laboratory Services

Report Number: AA62066 -092601- 15

5012 Causeway Blvd * Tampa Fl. 33619 * Ph (813)630-7378 * Fax (813)630-7360 * CompQAP #910140G * DOH #E54272

Report For: Waste Disposal Folder, CES

Beverly Morgan, Envir. Plan.

Report Date: 09/26/2001

Laboratory ID: AA62066

Sample Information

Location Code: WDISP-CS

Location Description: Waste Disposal, CSA

Project Account Code: 01-164

PHYSICAL COMPOSITION BY VISUAL OBSERV.:

~50% OILY SLUDGE, ~50% WATER

Sampled By: ERIC WARREN Date Sampled: 09/06/2001 Time Sampled: 3:40:00 PM

Laboratory Results

Parameter	Result	Units	MDL	Lower Limit	Upper Limit	Violation Check
Physical State @ 70 degrees F	Semi-solid Strong			•		
Color Arsenic, TCLP	Black Less than MDL	mg/l	0.3		5.0	
Barium, TCLP Cadmium, TCLP	0.43 Less than MDL	mg/l mg/l	0.05 0.05 0.2		100.0 1.0 5.0	
Chromium, TCLP Lead, TCLP Selenium, TCLP	Less than MDL Less than MDL Less than MDL	mg/l mg/l mg/l	0.1 0.2		5.0 1.0	
Silver, TCLP	Less than MDL	mg/l	0.1		5.0	

Comments:

Oily water & Sludge from seperator

41-55 gal. drums

Volatiles are analysed by a subcontracted Lab. Report is send to B. Morgan.

Robert Dorey,

Manager, Environmental Services

DATE/

<26



6712 Benjamin Road • Suite 100 • Tampa, FL 33634 • Tel: 813 885 7427 • Fax: 813 885 7049 • www.stl-inc.com

STL Tampa West

LOG NO: B1-53003 Received: 10 SEP 01 Reported: 21 SEP 01

Mr. Robert Dorey Tampa Electric Company 5010 Causeway Blvd. Tampa, FL 33619

1,1,2,2-Tetrachloroethane, ug/kg dw

Project: WD01-164 Sampled By: Client Code: 141310921

Page 1

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SE	MISOLID SAMPLES TIME SAMPLE	D
53003-1	WD01-164	09-06-01/15	:40
		53003-1	
	ed and Aromatic Volatiles (8021)		
	ug/kg dw	<26	
	chloromethane, ug/kg dw	<26	
	rm, ug/kg dw	<130	
	hane, ug/kg dw	<26	
	Cetrachloride, ug/kg dw	- <26	
	enzene, ug/kg dw	<26	•
	hane, ug/kg dw	<26	
	orm, ug/kg dw	<26	
	ethane, ug/kg dw	<26	
	bromomethane, ug/kg dw	<26	
	nlorobenzene, ug/kg dw	<26	
1,3-Dich	nlorobenzene, ug/kg dw	<26	
	nlorobenzene, ug/kg dw	<26	
Dichloro	odifluoromethane, ug/kg dw	<26	
1,1-Dich	nloroethane, ug/kg dw	. 410	
	nloroethane, ug/kg dw	<26	
1,1-Dich	nloroethylene, ug/kg dw	<26	
	Dichloroethylene, ug/kg dw	<26	
trans-1,	2-Dichloroethylene, ug/kg dw	<26	***
1,2-Dich	nloropropane, ug/kg dw	<26	
cis-1,3-	-Dichloropropene, ug/kg dw	<26	·
trans-1,	3-Dichloropropene, ug/kg dw	<26	
	nzene, ug/kg dw	180	
_	ne Chloride, ug/kg dw	<52	
4	()	-26	

STL Tampa West

LOG NO: B1-53003 Received: 10 SEP 01 Reported: 21 SEP 01

Mr. Robert Dorey Tampa Electric Company 5010 Causeway Blvd. Tampa, FL 33619

> Project: WD01-164 Sampled By: Client

Code: 141310921

Page 2

REPORT OF RESULTS

6712 Benjamin Road • Suite 100 • Tampa, FL 33634 • Tel: 813 885 7427 • Fax: 813 885 7049 • www.stl-inc.com

LOG NO	SAMPLE DESCRIPTION , SOLID OR SE	MISOLID SAMPLES	DATE/
53003-1	WD01-164	(09-06-01/15:40
PARAMETER		53003-1	
Toluene, 1,1,1-Trichloro Trichloro Vinyl Chloo-Xylene, m&p-Xylene 2-Chloroe	chloroethane, ug/kg dw chloroethane, ug/kg dw ethylene, ug/kg dw fluoromethane, ug/kg dw oride, ug/kg dw ug/kg dw e, ug/kg dw thylvinyl Ether, ug/kg dw rt Butyl Ether (MTBE), ug/kg dw	130 180 <26 <26 <26 <26 <220 <520 <520	= 0,007 TELP MI/L
· ,			



STL Tampa West

LOG NO: B1-53003 Received: 10 SEP 01 Reported: 21 SEP 01

Mr. Robert Dorey
Tampa Electric Company
5010 Causeway Blvd.
Tampa, FL 33619

Project: WD01-164 Sampled By: Client

Code: 141310921

Page 3

REPORT OF RESULTS

DATE/

LOG NO	SAMPLE DESCRIPTION , QC REPORT	FOR SOLID/S	EMISOLID TI	ME SAMPLED	
53003-2 53003-3 53003-4 53003-5	Method Blank Accuracy (%Rec) Precision (%RPD) Analyst Initials				
PARAMETER		53003-2	53003-3	53003-4	53003-5
Halogenate	ed and Aromatic Volatiles (8021)				
	ug/kg dw	<5.0	110 %	3.6 %	JFB
and the second s	hloromethane, ug/kg dw	<5.0	· ;		JFB
	m, ug/kg dw	<25			JFB
	hane, ug/kg dw	<5.0	- 		JFB
	etrachloride, ug/kg dw	<5.0			JFB
	nzene, ug/kg dw	<5.0	104 %	0 왕	JFB
	hane, ug/kg dw	<5.0			JFB
	rm, ug/kg dw	<5.0			JFB
	thane, ug/kg dw	<5.0			JFB
	bromomethane, ug/kg dw	<5.0	- 		JFB
	lorobenzene, ug/kg dw	<5.0			JFB
	lorobenzene, ug/kg dw	<5.0			JFB
	lorobenzene, ug/kg dw	<5.0			JFB
	difluoromethane, ug/kg dw	<5.0			JFB
1.1-Dich	loroethane, ug/kg dw	<5.0			JFB
-	loroethane, ug/kg dw	<5.0			JFB
	loroethylene, ug/kg dw	<5.0	112 %	3.6 %	JFB
	Dichloroethylene, ug/kg dw	<5.0			JFB
•	2-Dichloroethylene, ug/kg dw	<5.0			JFB
	loropropane, ug/kg dw	<5.0			JFB
	Dichloropropene, ug/kg dw	<5.0			JFB
	3-Dichloropropene, ug/kg dw	<5.0	<u>-</u>		JFB



STL Tampa West

LOG NO: B1-53003 Received: 10 SEP 01 Reported: 21 SEP 01

Mr. Robert Dorey
Tampa Electric Company
5010 Causeway Blvd.
Tampa, FL 33619

Project: WD01-164 Sampled By: Client

Code: 141310921

Page 4

JFB

JFB

JFB

REPORT OF RESULTS

Page 4

	KEEC	ALL OF KEDODID			5
			D	ATE/	
LOG NO	SAMPLE DESCRIPTION , QC REP	PORT FOR SOLID/S	EMISOLID TI	ME SAMPLED	
53003-2	Method Blank				
53003-3	Accuracy (%Rec)				
53003-4	Precision (%RPD)			•	
53003-5	Analyst Initials				
PARAMETER			53003-3	53003-4	
	zene, ug/kg dw	<5.0			JFB
	e Chloride, ug/kg dw	<10		_	JFB
-	Tetrachloroethane, ug/kg dw	<5.0	,	·	JFB
Tetrachle	oroethylene, ug/kg dw	<5.0			JFB
Toluene,	ug/kg dw	<5.0	88 %	0 %	JFB
1,1,1-Tr	ichloroethane, ug/kg dw	<5.0		-	JFB
1,1,2-Tr	ichloroethane, ug/kg dw	<5.0		- 	JFB
Trichlor	oethylene, ug/kg dw	<5.0	102 %	3.9 %	JFB
Trichlor	ofluoromethane, ug/kg dw	<5.0			JFB
Vinyl Ch	loride, ug/kg dw	<5.0			JFB
o-Xylene	, ug/kg dw	<5.0			JFB
-					700

These test results meet all the requirements of NELAC. All questions regarding this test report should be directed to the STL Project Manager who signed this test report.

< 5.0

09.13.01

<50 <50

Method: EPA SW-846, FDEP

2-Chloroethylvinyl Ether, ug/kg dw

Methyl Tert Butyl Ether (MTBE), ug/kg dw

m&p-Xylene, ug/kg dw

Analysis Date

DOH Certification #'s: E84282

Michael F. Valder, Project Manager



Stay Clear... Stay Safe Stay Alive



P.01

02

				, , , , , , , , , , , , , , , , , , ,
	C.O.C. FIRE EXTM	uguishers	SERVICED	4/8/. 4/9/.
	FACILITIES	DONE	(2) Removed	., .,
	GArage	DONE	(13) Removes	•
APR I 0 2002	meter Dept	Done	(0)	
Ву	meter Dept Vehicles	DONE	(0)	
	Material Recovery	DONE	(7) Remove	. D
#5	Standards C West	Done	(3) Remov	ep .
	engineering C ctr.	DONE	(e)	
	SUB STATION BID & GAST	DONE	(2) Remoi	seo
	BIG D	DONE	(1) Remo	sed
	BUJ	DONE	(e)	
	stores	Done	(c)	
	CANDY	afety is to a	TAMPA ELECTRIC	OMPANY
,	1-800-282-8881 Utility Locator Service		1-800-282-46 Emergency Se	rvice P.01

APR-08-2002 12:14

County Fire: 621-6094 Eddie Hyman P.O. 81574



Stay Clear... Stay Safe **Stay Alive**



SUB STATION

BIDG K

DONE

need (1) New

BLDG L

DONE

need (1) New

FACILITIES

BLOG M + MS

DONE

BLOG N

DONE

(1) Removed

Guard Sheek Done

(1) Removed

FOR VEHICLES ALL REMOVED SPARES

From Parts Room

14 Total

accident TAMPA ELECTRIC COMPANY 1-800-282-4687 CANDY 1-800-292-8881

APR-08-2002 12:14

IDEM - Office of Land Quality Hazardous Waste Handlers - Sorted by County

RCRA ID	Handler Name	Location Address	City	Zip	Phone	GEN (tyr	TRN pe/status	TSD
				-		(-)1	70,01414	1
County: M	larion							
IND093219012	HERITAGE ENVIRONMENTAL SERVICES LLC	7901 W Morris St	Indianapolis	46231	317-486-2722	1/ A	1	X/ A
INR000012385	HERITAGE ENVIRONMENTAL SVC INC	1175 Western Drive	Indianapolis	46241	317-486-2795	17	1	1
INR000003418	HERITAGE RESEARCH GROUP	7901 W Morris St, Ste H	Indianapolis	46231	317-872-6010	2/ A	1	1
IND058484114	HERITAGE TRANSPORT LLC	1626 Research Way	Indianapolis	46231	317-486-2789	1	C/ A	
INR000000919	HERITAGE TRANSPORT LLC	1626 Research Way	Indianapolis	46231	317-486-2789	3/ A	1	1
INR000006536	HERITAGE-CRYSTAL CLEAN LLC	3970 W 10th St Ste A	Indianapolis	46222	317-486-2770	1/ A	C/ A	1
ND984972315	HERMAN & CO	1100 E Maryland	Indianapolis	46202	317-269-2180	3/ A	1	1
NR000007690	HEWLETT PACKARD INDPLS SALES	201 W 103rd St, Ste 100	Indianapolis	46290	630-245-3610	3/ A	1	1
ND981955859	HH SUMCO INC	1351 S Girls School Rd	Indianapolis	46231	317-241-7600	1/ A	1	1
ND985099837	HI TECH FINISHING	3137 N Ritter Ave	Indianapolis	46218	317-546-5639	17	1	1
ND056101769	HIGH VOLTAGE MAINTENANCE CORP	5230 Commerce Circle	Indianapolis	46237-9746		/ 6	1	1
ND006068985	HILL & GRIFFITH CO	3637 Farnsworth Ave	Indianapolis	46241	317-241-9233	2/ A	1	1
ND984913723	HILLS CRACKED BLOCK SVC	5610 Dividend Dr	Indianapolis	46241	317-241-1233	/ D	1	1
ND984880146	HILLS STORES CO	6650 W Washington St	Indianapolis	46241	412-378-0511	17	1	1
ND053731832	HILLTOP PRESS INC	624 E Walnut St	Indianapolis	46204	317-634-4700	2/ A	1	1
ND006065536	HITTLE MACHINE & TOOL CO INC	2122 Dr Martin L King Jr St	Indianapolis	46202	317-926-4594	3/ A	1	1
ND984958777	HOBBS CERTICARE AUTOMOTIVE	46 S Post Rd	Indianapolis	46219	317-898-0644	2/ A	1	1
NR000024596	HOFFERS GLASMONT	4635 W 85th St	Indianapolis	46268	317-876-1155	3/ A	1	1
NR000005629	HOGAN RACING	109b Gasoline Alley	Indianapolis	46222	317-244-2674	17	1	1
ND006413108	HOLCOMB & HOKE MFG COMPANY INC	1545 Van Buren St	Indianapolis	46203	317-784-2444	/ 6	1	1
ND984877209	HOLD THE	7151 E 86th St	Indianapolis	46250	317-573-6906	/ 6	1	1
ND094467586	HONDA WEST	4701 W 38th St	Indianapolis	46254	317-299-3551	2/ A	1	1
ND052953114	HONEYCOMB PRODUCTS INC	405 W Raymond St	Indianapolis	46225	317-787-9351	3/ A	1	1
ND984959999	HOOSIER AIRCRAFT ACC INC	1919 S Girls School Rd	Indianapolis	46241	317-244-7264	17	1	1
ND984875575	HOOSIER BODY & GLASS	3101 N Ritter	Indianapolis	46218	317-547-5047	/ D	1	1
ND046386348	HOOSIER EQUIPMENT SERVICE INC	320 S College Ave	Indianapolis	46204	317-631-5000	17	1	1
ND984874859	HOOSIER EQUIPMENT SERVICE INC	8014 W Thompson Rd	Indianapolis	46241	317-631-5000	2/ A	X/ A	1
ND016415366	HOOSIER IMPORTS	3401 N Sherman Dr	Indianapolis	46218	317-547-3561	/ D	1	1
ND006414395	HOOSIER INC THE	1701 E 38th St	Indianapolis	46218	317/926-2434	17	1	1
ND016415374	HOOSIER MACHINE & WELDING	451 S Arbor Ave	Indianapolis	46221	638-6286	3/ A	1	1
ND016402182	HOOSIER PENN OIL CO INC	850 S Keystone	Indianapolis	46203	317/631-5406	3/ A	1	1
ND982426983	HOOSIER PENN OIL CO INC	4060 W Tenth St	Indianapolis	46222	317-390-5406	3/ A	1	1
ND075982975	HOOSIER WOOD PRESERVERS INC	3605 Farnsworth	Indianapolis	46241	317-247-6206	2/ A	1	/ 5
ND016415655	HORNER ELECTRIC INC	1521 E Washington St	Indianapolis	46201	317-639-4261	2/ A	1	1
NR000103275	HOWARD'S BODY SHOP	2039 E Minnesota St	Indianapolis	46203	317-786-5589	2/ A	1	1
ND984877670	HOYT MACHINE CO	1925 Massachusetts Ave	Indianapolis	46218	317-638-5400	2/ A	1	1
ND016411746	HP PRODUCTS	4220 Saguaro Trail	Indianapolis	46268	317-298-9950	/ 6	1	1

Honey, Kelly

From:

Honey, Kelly

Sent: To: Friday, April 05, 2002 1:17 PM bimorgan@tecoenergy.com

Cc:

Dregne, James

Subject:

Questions raised during the inspection

Beverly:

I have most of the answers to the questions you and Therese had during my inspection last week.

Therese wanted to know if TECO-COC could still accept haz waste from TECO's CESQG facilities if its status was SQG instead of LQG. The answer is yes, as an SQG, TECO can still accept the CESQG waste from other TECO owned facilities. I think she just wanted to know out of general interest because you said during the inspection that TECO-COC intends to retain its LQG status. If this is not true, let me know.

The "junk oil" from the transformers is used oil as defined in 40 CFR 279 and is therefore subject to regulation (unless it contains PCB). All the containers and tanks that are labeled "junk oil" need to be relabeled as "used oil".

Regarding the used oil filters disposed of in the dumpster. I asked about the 10% oily waste rule you mentioned (i.e., as long as there are no free liquids, oily waste can be put in the dumpster provided it does not exceed 10% of the dumpster contents). We are unaware of this rule. Also, technically, used oil filters are not oily waste, they are used oil filters (see Section 62-710.850, FAC). Oily wastes as defined in 62-701.200(76), FAC, means "those materials which are mixed with used oil and have become separated from that used oil. Oily wastes also means materials, including wastewaters, centrifuge solids, filter residues or sludges, bottom sediments, tank bottoms, and sorbents which have come into contact with, and have been contaminated by, used oil and may be appropriately tested and discarded in a manner which is in compliance with other state and local requirements." You will need to obtain permission in writing from the disposal facility to dispose of used oil filters in this manner. I believe TECO is putting all these wastes into the dumpster destined for the incinerator. Please correct me if I am wrong about this, and please let me know at which facility the waste is incinerated.

I think that covers all the questions you had. If I left one out, let me know.

Regarding documentation still needing to be provided by TECO, I need a copy of TECO-COC's current contingency plan and arrangements with local authorities, as well as the used oil receipts from IPC. Please also send me something indicating that the fire extinguishers have been certified. I need a copy of the waste profile/analytical results for the oil/water separator sludge that was handled as nonhazardous waste, and when Willie has produced a few weekly inspection logs using the new form, I will also need a copies of those. Finally, please email or send some photos of the relabeled junk oil containers.

Call me if you have any questions.

Thanks, Kelly Honey RCRA / Division of Waste Management 813/744-6100 (SunCom 512-1042), ext. 369

WEEKLY INSPECTION SHEET

Time: 100	Oam				
Date: 2/26					
Name (Print): /2/	loves	Signature:	a.R.		
PCB Adjacent Stora	nge Area				
PCB Wastes In Storage?	Equipment/Container Labeled?**	Equipment/Container Free of Leaks?	5		
Yes or No	Yes or No	Yes or No		Comments	
y es	yes	yes			
PCB Permanent Sto	raga Araa		· ·		
Doors :	Emergency Response	Spill Kit	PCB Waste	Equipment/Container	Equipment/Container
Shut?	Equipment Ready?	Complete?	in Storage?	labeled?	Free of Leaks?
Yes or No	Yes or No	Yes or No	Yes or No.	Yes or No	Yes or No
y e s	yes	yes	yes	y-25	y 25
Hazardous Waste 90	-Day Storage Area				<u> </u>
Any Non-Hazardous Waste in Storage Area?	How Many Containers of Non-Hazardous Waste?	Emergency Equipment Ready & Clear?	Hazardous Waste in Storage?	Containers Labeled?	Containers Free of Leaks?
Yes or No		Yes or No	Yes or No	CB-Waste Equipment/Container Equipment/Container Storage? labeled? Free of Leaks? es or No Yes or No Yes or No Yes or No Containers Containers Storage? Labeled? Free of Leaks?	



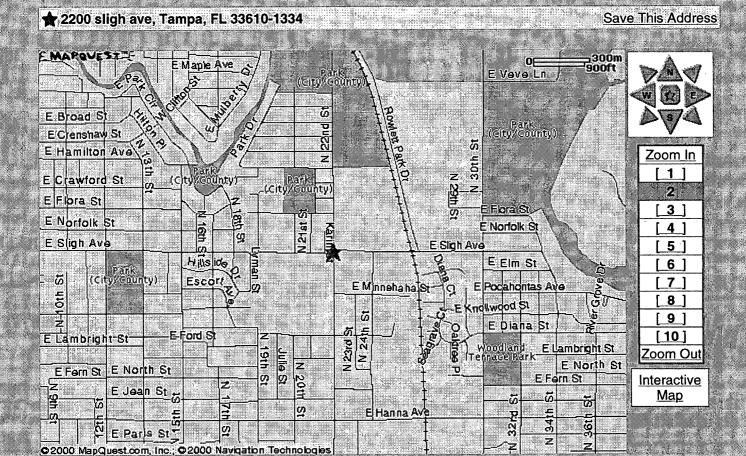
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Create My Locations - Sign In

Yahoo! Maps



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ROB TURNER, CFA Hillsborough County Property Appraiser Online Inquiry System

You cannot book much this page. These results were retrieved from a database your browser will not read it correctly the next time it is opened. Please print the information you have obtained for your records.

Owner Name Street Address PIN Number Folio Number

Internet Site

Results of Query for Site Address''Sligh'	R	esults	of	Ouerv	for	Site	Ac	ldress	"Sligh"
---	---	--------	----	-------	-----	------	----	--------	---------

Address	Parcel Id	Owner Name	City Zip	o Code
1 2200 E SLIGH	A-29-28-19-ZZZ-000005-60980.0	TAMPA ELECTRIC CO	Tampa	

28 00 42 82 26 04



a woministanting visula.						
ALC: WIT	生	Handler Inform	ation		j .	1 =
504/0	Figure 477004					
and the second s	FLD981477904			evious EPAID		
	TAMPA ELECTRIC CO		Land Ty		n-Notifier	
District	SWD Access	Access Date	•	Notif Date 07/	15/1986	, ,
Site Name	TAMPA ELECTRIC CO	CENTRAL OP				
Directions						
Address	22ND ST AND SLIGH A	VE	7.5	County		
				29 HILLSBOR	OUGH	
City	TAMPA	State FL	Zip 33601 -			
Mail Address	DO BOY 444			The second secon		7.0
and my courses	, obea iii					
City	TAMPA	State FL	710 00004			
City	IAMEA	Sidle FL	-Zip 33601 -	<u> </u>	-	
Feature		Method * ADDM	Datum	Date 07	M5M986	
Coordinates	Latitude	Degrees * 27	Minutes * 38	Seconds*	38.0000	
	Longitude	Degrees * 82	Minutes * 38	Seconds*	09.0000	
Comments						
4 32	A	*	- 1 T			1/6
		4.2			122	4

Beths can I pls get an end file for this facility?

- K

			HAZARDOUS	- WASTE	ACTIVITIES			
Generator X	LQG S	2G CES	NHR	Closed	I.			
Transporter _								
TSD [Treater [Storer	Disposer					
*Used Oil								
Recycler	Commercia	l Non-(Commercial					
*HW Fuel								
UIC [10				
*OTHER								
*CORR				e de la companya de l	[‡] * Denote	s detail scree	n .	
EPAID FLD98	1477904	Source in	SPECTION	D	ate * 05/22/199	5 J C	omments [4/6

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