

Gulf Life Tower

Jacksonville, Florida 32207

NORTHWEST FLORIDA Gulf Life Tower 904/396-5741

August 31, 1984

Mr. Gradey Swann Department of Environmental Regulations 160 Governmental Center Pensacola, Florida 32501

Material Safety Data Sheets for Ink and Cleanup Solution

Dear Mr. Swann:

Enclosed, you will find the material safety data sheets for the various inks employed at the Pensacola Bag Facility. You will also find a material safety data sheet for the cleaning solvent.

If you have any questions concerning the inks or the solvent, please call me (904/396-5741).

Sincerely,

Brad Peebles

Environmental Specialist

/pw

cc R. Tyree

# Image Quality

Please note that some of the original pages of this document were of poor quality.

DATE: 5/30/84

# PRIAL SAFETY DATA THEET

NAPIM 11-71 (Rev. 6-76)

# FOR PRINTING INK AND RELATED MATERIALS

					Our Ref	: SVM-4442
			Section I			
MANUFACTURER'S N	AME			EM	ERGENCY PI	HONE NO.
Sinclair & Valent:	ine Co., Inc		·	90	4/968-9511	. •
STREET ADDRESS (N. P.O. Box 46, Canto						
PRODUCT CLASS		TRADE NA		•		
Solvent Blend	}		CLEANIN	G SOLVENT		:
MANUFACTURERS CO	DDES					•
PNSC-4118						
	Sect	ion II — H	AZARDOUS IN	GREDIENT	s	
This product con hydrocarbon, and This mixture con is defined as ha	a ketone an tains no oth	d alcohol. er ingredie SHA.	nt known to reta	n hazardous		or which
		Section II	I — PHYSICAL	DATA		
BOILING RANGE	104-337°F		APPEARA		ed Liquid	TYPE OF ODOF Strong Solven
/APOR DENSITY: HE	AVIER &	vs. air	EVAPORA vs. Butyl A	TION RATE	FASTER	Х
IQUID DENSITY: HE	AVIER 🕅				SLOWER	·
	SHTER [	vs. water	PERCENT	VOLATILE W	Γ. 100	% Maximum
	Sec	tion IV —	FIRE & EXPLO	SION DATA	<b>\</b>	
AUGORY	lammable lass IB	LOWEST FI	LASH 80°F (cc	LOW EXPL	OSIVE	1.0 Vol.%
EXTINGUISHING M	EDIA	Dry chemi	cal, foam, CO <sub>2</sub>		;	
PECIAL FIRE FIGHT	ING PROCEDI	URE:				
Avoid prolonged	breathing	of fumes.	se water to keep	closed cont	ainers cool	<b>.</b>
NUSUAL FIRE & EX	PLOSION HAZ	ZARDS	1.		<del></del>	
Vapors may igni	te explosiv	ely. Vapors	may spread long			of closed

THIS FORM HAS BEEN SUBMITTED TO U.S.D.O.L. AS ESSENTIALLY SIMILAR TO

USOS-U.S. OCCUPATIONAL STANDARD FOR WORKPLACE AIR (TLV)

50 - 350 ppm

Skin contact may cause irritation due to de-fatting action of solvents. Eye contact may cause irritation.

EMERGENCY FIRST AID:

For Inhalation:

Remove to fresh air. Consult physician.

For Eye Contact:

Flush with plenty of water - if irritation persists, consult

physician.

For Skin Contact:

Wash liberally with soap and water - use suitable hand cream.

### Section VI — REACTIVITY DATA

PRODUCT STABILITY

STABLE

**UNSTABLE** 

!

CONDITIONS TO AVOID

Avoid contact with strong acids, alkalies, or oxidizers.

# Section VII - SPILL OR LEAK PROCEDURES

PROCEDURE WHEN MATERIAL SPILLED OR RELEASED

Eliminate all sources of vapor ignition. Ventilate area. Remove by using suitable inert absorbing material.

WASTE DISPOSAL METHOD

In accordance with applicable local, state and federal regulations.

# Section VIII — SPECIAL PROTECTION INFORMATION

#### VENTILATION

General ventilation with a minimum rate of not less than one (1) cubic foot per minute per square foot of solid floor area, to include all floor areas or pits where flammable vapors may collect.

PROTECTIVE EQUIPMENT; RESPIRATORY, EYE, ETC.

Suitable eye protective equipment should be available to avoid accidental splashing into eyes. Gloves should be worn where prolonged contact may occur.

# Section IX — SPECIAL PRECAUTIONS

TORAGE & HANDLING

Keep containers closed when not is use Keen away from ones floor an avacantue hare

# FOR PRINTING INK AND RELATED MATERIALS

NAPIM 11-71 (Rev. 6-76)

Our Ref:

SVM-4362-.T

	Sec	tion I				
MANUFACTURER'S NAME			EME	RGENCY PH	HONE NO.	
SINCLAIR AND VALENTINE C	OMPANY, INCORPORA	ATED	. 90	04/968-951	1	
STREET ADDRESS (No., City, State, Z P.O. Box 46, Cantonment, FL 3						
PRODUCT CLASS Solvent Based Flexographic Ink - Lead	TRADE NAME	SOLVENT FLEXO	INKS	(CONTAINI	NG LEAD)	
MANUFACTURERS CODES					•	
VARIOUS	<u> </u>					
		· · · · · · · · · · · · · · · · · · ·		<del></del>		
Secti	on II — HAZAR	IDOUS INGREDII	ENTS	· · · · · · · · · · · · · · · · · · ·		
These inks contain a maximur These inks also contain lead These mixtures contain no of or which is defined as hazar	d-based pigments. ther ingredient b	•				
	Section III — P	HYSICAL DATA				
BOILING RANGE	F	APPEARANCE Co	lored	Liquid	TYPE OF C	
VAPOR DENSITY: HEAVIER XX LIGHTER □	vs. air	EVAPORATION RA	TE	FASTER	XX	
LIQUID DENSITY: HEAVIER		#		SLOWER		
LIGHTER XX	vs. water	PERCENT VOLATIL	E WT.	75	% Maximum	٠.
Sect	tion IV — FIRE	& EXPLOSION D	ATA		76 HIGALINGIA	
FLASH POINT Flammable (OSHA) Class IB	LOWEST FLASH POINT	0.00	LOWE EXPLO	DSIVE	1.1	vol:
EYTING USUNG MEDIA	chemical, foam,		CHALL			
SPECIAL FIRE FIGHTING PROCEDU						
Avoid prolonged breathing of		er to keep closed o	ontai	ners cool.	<b>.</b>	
UNUSUAL FIRE & EXPLOSION HAZ	ARDS		·		<u> </u>	
Vapors may ignite explosivel containers to excess heat du	y. Vapors may s				E closed	

THIS FORM HAS BEEN SUBMITTED TO U.S.D.O.L. AS ESSENTIALLY SIMILAR TO OSHA FORM 20 AND IS SUPPLIED AS AN INDUSTRY SERVICE BY THE NATIONAL ASSOCIATION OF PRINTING INK MANUFACTURERS INC. (Information on this form is

## USOS-U.S. OCCUPATIONAL STANDARD FOR WORKPLACE AIR (TLV)

100 - 1,000 ppm

EFFECTS OF OVEREXPOSURE: Prolonged breathing of vapors can cause nausea and and/or narcosis. Skin contact may cause irritation due to de-fatting action of solvents. Eye contact may cause irritation. Repeated ingestion or inhalation of excessive mists may result in lead

EMERGENCY FIRST AID:

For Inhalation:

Remove to fresh air.

For Eye Contact:

Flush with pently of water - consult physician.

For Skin Contact:

Wash liberally with soap and water - use suitable hand cream.

For Ingestion:

Consult Physician.

### Section VI — REACTIVITY DATA

PRODUCT STABILITY

STABLE

UNSTABLE

X

#### CONDITIONS TO AVOID

Avoid contact with strong acids, alkalies, or oxidizers.

#### Section VII — SPILL OR LEAK PROCEDURES

#### PROCEDURE WHEN MATERIAL SPILLED OR RELEASED

Eliminate all sources of vapor ignition. Ventilate area. Remove by using suitable inert absorbing material.

#### WASTE DISPOSAL METHOD

In accordance with applicable local, state and federal regulations.

### Section VIII — SPECIAL PROTECTION INFORMATION

#### VENTILATION

General ventilation with a minimum rate of not less than one (1) cubic foot per minute per square foot of solid floor area, to include all floor areas or pits where flammable vapors may collect.

#### PROTECTIVE EQUIPMENT; RESPIRATORY, EYE, ETC.

Suitable eye protective equipment should be available to avoid accidental splashing into eyes. Gloves should be worn where prolonged contact may occur.

# Section IX — SPECIAL PRECAUTIONS

STORAGE & ANSLING Keep containers closed when not in use. Wash hands thoroughly after using and before smoking and eating. Since it is not advisable to inhale certain ink ingredients dry form, it is considered inadvisable to breathe mists of any inks.

# MERIAL SAFETY DATASHEET FOR PRINTING INK AND RELATED MATERIALS

NAPIM 11-71 (Rev. 6-76)

OUR REF: SVM-4362-K

Section I						
MANUFACTURER'S NAME			EMER	GENCY PH	ONE NO.	
SINCLAIR AND VALENTINE CO.,	TNC		1	4/968-9511		
STREET ADDRESS (No., City, State, P.O. Box 46, Cantonment, FL.	•	•				
PRODUCT CLASS	TRADE NAME	· · · · · · · · · · · · · · · · · · ·			,	
Glycol Letterpress Inks	·	METEOR INKS (	UNLEAD	ED)		
MANUFACTURERS CODES				·		
VARIOUS						
		<del></del>				
Sect	ion II — HAZAR	DOUS INGREDI	ENTS			
These inks contain a maximum of 45% by weight of a glycol.  These mixtures contain no other ingredient known to retain hazardous properties or which is defined as hazardous by OSHA.						
·	Section III — PHYSICAL DATA					
BOILING RANGE 474.4°F		APPEARANCE Co	lored	Paste	TYPE OF ODOR Mild	
VAPOR DENSITY: HEAVIER ☑ LIGHTER ☐	vs. air	EVAPORATION RA	TE	FASTER		
LIQUID DENSITY: HEAVIER				SLOWER	Х	
LIGHTER []	vs. water	PERCENT VOLATI	LE WT.	45	Maximum	
Sec	tion IV — FIRE	& EXPLOSION D				
FLASH POINT Combustible CATEGORY Class IIIB	POINT	280°F	LOWE EXPLO LIMIT	R DSIVE	1.7 Vol.%	
EXTINGUISHING MEDIA	Dry Chemical,	Foam, CO <sub>2</sub>	• .		-	
SPECIAL FIRE FIGHTING PROCED	······································	None				
UNUSUAL FIRE & EXPLOSION HA	ZARDS	None			,	

USOS-U.S. OCCUPATIONAL STANDARD FOR WORKPLACE AIR (TLV)

Not Established

#### **EFFECTS OF OVEREXPOSURE:**

Ingestion may cause nausea, vomiting, and kidney injury which may be fatal.

#### **EMERGENCY FIRST AID:**

Follow in-plant medical procedure

Eye Contact: Flush with water - consult physician.

Ingestion: Induce vomiting - consult physician.

# Section VI - REACTIVITY DATA

PRODUCT STABILITY STABLE UNSTABLE

X

CONDITIONS TO AVOID

Avoid contact with strong acids, alkalies, or oxidizers.

# Section VII — SPILL OR LEAK PROCEDURES

PROCEDURE WHEN MATERIAL SPILLED OR RELEASED

Wipe up. Dispose of wipers in approved waste container.

WASTE DISPOSAL METHOD

In accordance with local disposal regulations.

## Section VIII — SPECIAL PROTECTION INFORMATION

VENTILATION General Ventilation with a minimum rate of not less than one (1) cubic foot per minute per square foot of solid floor area, to include all floor areas or pits where flammable vapors may collect.

PROTECTIVE EQUIPMENT; RESPIRATORY, EYE, ETC.

Suitable eye protection equipment should be available to avoid eye contact. Gloves should be available to avoid prolonged skin contact.

# Section IX — SPECIAL PRECAUTIONS

3/6/84 DATE:

# MADERIAL SAFETY DATA HEET

**NAPIM 11-71** (Rev. 6-76)

FOR PRINTING INK AND RELATED MATERIALS

SVM-4362-L

					OUR REF	:
		Sec	etion I			
MANUFACTURER	'S NAME			EME	RGENCY PH	IONE NO.
SINCLAIR AND	VALENTINE CO.,	INC.		90	04/968-951	1
	S (No., City, State, Z Cantonment, FL 3	•				
PRODUCT CLASS Letterpress-Bear	Glycol ing Lead Compoun	TRADE NAME	METEOR INKS	(CONTA	INING LEAD	)
MANUFACTURER VARIOUS	S CODES					
	Section	on II — HAZAI	RDOUS INGRED	IENTS	·	
lead-based These mixtu	pigments.	ther ingredient	ght of a glycol. The known to retain ha			
		Section III —	PHYSICAL DATA	\		
BOILING RANGE	474.4°F		APPEARANCE	Colored	Paste	TYPE OF ODOR
VAPOR DENSITY	: HEAVIER ☒ LIGHTER □	vs. air .	EVAPORATION RA	ATE	FASTER	
LIQUID DENSITY	: HEAVIER 🖾 LIGHTER 🗆	vs. water	PERCENT VOLAT	ILE WT.	SLOWER 45% M	X
	Sect	ion IV — FIRE	& EXPLOSION I	DATA		
FLASH POINT CATEGORY (OSHA)	Combustible Class IIIB	LOWEST FLASH POINT	280°F (cc)	LOWE EXPLO		1.7 Vol.%
EXTINGUISHIN	IG MEDIA D	ry Chemical, Fo	am, CO <sub>2</sub>		,	
SPECIAL FIRE FI	GHTING PROCEDU	RE:			T 1	
		None			٠,	
UNUSUAL FIRE 8	EXPLOSION HAZ	ARDS		······································		
		None				

# USOS-U.S. OCCUPATIONAL STANDARD FOR WORKPLACE AIR (TLV)

Not Established

N.A.

#### **EFFECTS OF OVEREXPOSURE:**

Ingestion may cause nausea, vomiting, and kidney injury which may be fatal. Repeated ingestion or inhalation of excessive mists may result in lead poisoning.

#### **EMERGENCY FIRST AID:**

Eye Contact:

Flush with plenty of water. If irritation persists, consult physician.

Ingestion:

Induce vomiting - consult physician.

## Section VI — REACTIVITY DATA

PRODUCT STABILITY

STABLE

**UNSTABLE** 

Х

CONDITIONS TO AVOID

Avoid contact with strong acids, alkalies, or oxidizers.

#### Section VII — SPILL OR LEAK PROCEDURES

PROCEDURE WHEN MATERIAL SPILLED OR RELEASED

Wipe up. Dispose of wipers in approved waste container.

WASTE DISPOSAL METHOD

In accordance with local disposal regulations.

### Section VIII — SPECIAL PROTECTION INFORMATION

**VENTILATION** 

In accordance with OSHA Regulation 1910.94

#### PROTECTIVE EQUIPMENT; RESPIRATORY, EYE, ETC.

Suitable eye protection equipment should be available to avoid eye contact. Gloves should be available to avoid prolonged skin contact.

# Section IX — SPECIAL PRECAUTIONS

STORAGE HANDLING Keep containers closed when not in use. Wash hands thoroughly after using and before smoking or eating. Since it is not advisable to inhale certain ink ingredients in dry form, it is considered inadvisable to breathe mists of any ink.

# MATERIAL SAFETY DATA SHEET FOR PRINTING INK AND RELATED MATERIALS

3/6/84 DATE:

				Our Ref	: SVM-4362-I
	Sec	tion I			
MANUFACTURER'S NAME			EMER	RGENCY PH	IONE NO.
SINCLAIR & VALENTINE	CO., INC.		90	4/968-9511	
STREET ADDRESS (No., City, Sta	ate, Zip)				
P.O. Box 46, Cantonment,	TRADE NAME		<del> </del>		
PRODUCT CLASS Solvent Based Flexographic I		SOLVENT FLEXO	INKS	(UNLEADED)	
MANUFACTURERS CODES					
VARIOUS					
· Se	ection II — HAZAR	DOUS INGREDIE	NTS		
These inks contain a max These mixtures contain n or which is defined as h	o other ingredient k				
	Section III — F	PHYSICAL DATA			
BOILING RANGE 168-2	49°F	APPEARANCE Col	ored	Liquid	TYPE OF ODOR
VAPOR DENSITY: HEAVIER ☑ LIGHTER □	vs air	EVAPORATION RAT	ΓΕ	FASTER	х
LIQUID DENSITY: HEAVIER		1		SLOWER	
LIGHTER IX	vs. water	PERCENT VOLATIL	E WT.	75	% Maximum
	Section IV — FIRE	& EXPLOSION DA	ATA		
FLASH POINT Flammable	LOWEST FLASH		OWE		
(OSHA)	POINT		-XYLC	DSIVE	1.1 vol.%
EXTINGUISHING MEDIA	Dry chemical,	foam, CO <sub>2</sub>			
SPECIAL FIRE FIGHTING PROC	EDURE:				
Avoid prolonged breathi	ng of fumes. Use wa	ter to keep closed	conta	iners cool	<b>.</b> .
UNUSUAL FIRE & EXPLOSION	HAZARDS				
Vapors may ignite explo	sively. Vapors may				of closed

TOD BY THE TANOTIAL T

## USOS-U.S. OCCUPATIONAL STANDARD FOR WORKPLACE AIR (TLV)

100 - 1,000 ppm

EFFECTS OF OVEREXPOSURE: Prolonged breathing of vapors can cause nausea and/or narcosis. Skin contact may cause irritation due to de-fatting action of solvents. Eye contact may cause irritation.

**EMERGENCY FIRST AID:** 

For Inhalation:

Remove to fresh air.

For Eye Contact:

Flush with plenty of water -

consult physician.

For Skin Contact:

Wash liberally with soap and water - use suitable hand cream.

### Section VI - REACTIVITY DA (A

PRODUCT STABILITY

STABLE

**UNSTABLE** 

XX

#### CONDITIONS TO AVOID

Avoid contact with strong acids, alkalies, or oxidizers.

## Section VII — SPILL OR LEAK PROCEDURES

#### PROCEDURE WHEN MATERIAL SPILLED OR RELEASED

Eliminate all sources of vapor ignition. Ventilate area. Remove by using suitable inert absorbing material.

#### WASTE DISPOSAL METHOD

In accordance with applicable local, state and federal regulations.

# Section VIII — SPECIAL PROTECTION INFORMATION

#### VENTILATION

General ventilation with a minimum rate of not less than one (1) cubic foot per minute per square foot of solid floor area, to include all floor areas or pits where flammable vapors may collect.

#### PROTECTIVE EQUIPMENT; RESPIRATORY, EYE, ETC.

Suitable eye protective equipment should be available to avoid accidental splashing into eyes. Gloves should be worn where prolonged contact may occur.

# Section IX — SPECIAL PRECAUTIONS

#### STORAGE & HANDLING

Keen containers closed when not is use. Yeen away-from-open flame or excessive heat. --

3/6/84 DATE:

# MERIAL SAFETY DATASHEET

FOR PRINTING INK AND RELATED MATERIALS

				R REF: ST	<u>лм- 4362-н</u>
	Sec	țion I			
MANUFACTURER'S NAME Sinclair & Valentine Co.,	Inc.			RGENCY PH 04/968-951	
STREET ADDRESS (No., City, State	•		<u> </u>		
PRODUCT CLASS Water Based Flexo-Bearing Lead Compounds	TRADE NAME	AQUAFLEX INKS	(CON	TAINING LE	(AD)
MANUFACTURERS CODES  VARIOUS					
Sec	ction II — HAZAR	DOUS INGREDIE	ENTS		
These products contain a water, plus a maximum of compound. These inks als These mixtures contain no or which is defined as ha	20% by weight of a so contain lead-bas o other ingredient	lcohols, a glycol, ed pigments.	an am	ine, and a	nitrogen
	Section III — P	PHYSICAL DATA			
BOILING RANGE	75°F	APPEARANCE Co	olored	Liquids	TYPE OF ODOR
VAPOR DENSITY: HEAVIER ☑ LIGHTER □	vs. air	EVAPORATION RA	TE	FASTER	х
LIQUID DENSITY: HEAVIER I	vs. water	PERCENT VOLATIL	F WT.	SLOWER 45	-
LIGHTEN		Transcit, vocation		45	% Maximum
Se	ection IV — FIRE	& EXPLOSION D	ATA		
FLASH POINT Combustible CATEGORY (OSHA)	LOWEST FLASH POINT	53°F (cc)	LOWE EXPLO		1.7 Vol.%
EXTINGUISHING MEDIA DI	ry chemical, foam,	co <sub>2</sub> .			*
SPECIAL FIRE FIGHTING PROCE	DURE:				,
NONE					
UNUSUAL FIRE & EXPLOSION H.	AZARDS				
NONE	•				

# USOS-U.S. OCCUPATIONAL STANDARD FOR WORKPLACE AIR (TLV)

25 - 1, 000 ppm

EFFECTS OF OVEREXPOSURE: Prolonged breathing of vapors can cause nausea and/or narcosis. Skin contact may cause irritation due to de-fatting action of solvents. Eye contact may cause irritation. Repeated ingestion or inhalation of excessive mists may result in lead poisoning.

#### **EMERGENCY FIRST AID:**

For Inhalation:

Remove to fresh air

For Eye Contact:

Flush with plenty of water - if irritation persists, consult physician.

For Skin Contact:

Wash liberally with soap and water - use suitable hand cream.

## Section VI - REACTIVITY DATA

PRODUCT STABILLTY

STABLE

UNSTABLE

Х

#### CONDITIONS TO AVOID

Avoid contact with strong acids, alkalies, or oxidizers.

#### Section VII — SPILL OR LEAK PROCEDURES

#### PROCEDURE WHEN MATERIAL SPILLED OR RELEASED

Eliminate all sources of vapor ignition. Ventilate area. Remove by using suitable inert absorbing material.

#### WASTE DISPOSAL METHOD

In accordance with applicable local, state and Federal regulations.

# Section VIII — SPECIAL PROTECTION INFORMATION

#### **VENTILATION**

General ventilation with a minimum rate of not less than one (1) cubic foot per minute per square foot of solid floor area, to include all floor areas or pits where flammable vapors may collect.

#### PROTECTIVE EQUIPMENT; RESPIRATORY, EYE, ETC.

Suitable eye protective equipment should be available to avoid accidental splashing into eyes. Gloves should be worn where prolonged contact may occur.

# Section IX — SPECIAL PRECAUTIONS

STORAGE HANDLING Keep containers closed when not in use. Wash hands thoroughly after usin and before smoking and eating. Since it is not advisable to inhale certain ink ingredients in dry form it is considered inadvisable to breathe mists of any inks.

# MATERIAL SAFETY DATASHEET FOR PRINTING INK AND RELATED MATERIALS

NAPIM 11-71 (Rev. 6-76)

Ref: SVM-4362-G

		Sect	ion I			
MANUFACTURER' Sinclair &	S NAME Valentine Co., Inc.			1	RGENCY PH /968-9511	IONE NO.
<del>-</del> -	(No., City, State, Z	•				
PRODUCT CLASS Flexographic In MANUFACTURER	k 3 CODES	TRADE NAME	AQUAFLEX INKS	(UNLEA	DED)	
VARIO	JS					
	Secti	on II — HAZARI	DOUS INGREDII	ENTS		
water, plus a compound. These mixture	maximum of 20%	by weight of alco	ight of volatiles. Shols, a glycol, a	n amin	e, and a	nitrogen
		Section III — P	HYSICAL DATA		,	
BOILING RANGE	168-475°F	-	APPEARANCE Col	ored I	iquids	TYPE OF ODOR
VAPOR DENSITY	: HEAVIER ☒ LIGHTER □	vs. air	EVAPORATION RA	TE	FASTER	X
LIQUID DENSITY	: HEAVIER □X LIGHTER □	vs. water	PERCENT VOLATI	LE WT.	SLOWER 45	% Maximum
	Sec	tion IV — FIRE	& EXPLOSION D	ATA		,
FLASH POINT CATEGORY (OSHA)	Combustible Class II	LOWEST FLASH POINT	53°F (cc)	LOWE EXPLO	R DSIVE	1.7 Vol.%
EXTINGUISHIN	IG MEDIA	Dry cl	hemical, foam, CO <sub>2</sub>		<del></del>	
SPECIAL FIRE FI	GHTING PROCEDU	IRE:				
		None				
UNUSUAL FIRE	& EXPLOSION HAZ	ARDS				<u> </u>
		None				·
		<del></del>				

# USOS-U.S. OCCUPATIONAL STANDARD FOR WORKPLACE AIR (TLV)

25 - 1,000 ppm

EFFECTS OF OVEREXPOSURE:

Prolonged breathing of vapors can cause headaches, nausea and/or

narcosis. Skin contact may cause irritation. Eye contact may cause irritation.

**EMERGENCY FIRST AID:** 

For Inhalation:

Remove to fresh air.

For Skin Contact:

Wash liberally with soap and water - use suitable hand cream.

For Eye Contact:

Flush with plenty of water - if irritation persists, consult physician.

#### Section VI — REACTIVITY DATA

PRODUCT STABILITY

STABLE

UNSTABLE

X

**CONDITIONS TO AVOID** 

Avoid contact with strong acids, alkalies, or oxidizers.

### Section VII — SPILL OR LEAK PROCEDURES

#### PROCEDURE WHEN MATERIAL SPILLED OR RELEASED

Eliminate all sources of vapor ignition. Ventilate area. Remove by using suitable inert absorbing material.

#### WASTE DISPOSAL METHOD

In accordance with applicable local, state, or federal regulations.

#### Section VIII — SPECIAL PROTECTION INFORMATION

#### **VENTILATION**

General ventilation with a minimum rate of not less than one (1) cubic foot per minute per square foot of solid floor area, to include all floor areas or pits where flammable vapors may collect.

#### PROTECTIVE EQUIPMENT; RESPIRATORY, EYE, ETC.

Suitable eye protective equipment should be available to avoid accidental splashing into eyes. Should be worn where prolonged contact may occur.

# Section IX — SPECIAL PRECAUTIONS

#### STORAGE & HANDLING

Keep container closed when not in use. Keep away from excess heat. Avoid freezing.

3/6/84 DATE:

# MATERIAL SAFETY DATASHEET FOR PRINTING INK AND RELATED MATERIALS

NAPIM 11-71 (Rev. 6-76)

Ref:

SVM-4362-F

Section I EMERGENCY PHONE NO. MANUFACTURER'S NAME 904/968-9511 Sinclair & Valentine Co., Inc. STREET ADDRESS (No., City, State, Zip) P.O. Box 46, Cantonment, FL 32533 PRODUCT CLASS Water Based TRADE NAME 2053 A/F OVERLACQUER Flexographic Ink MANUFACTURERS CODES PNSC-6070 Section II — HAZARDOUS INGREDIENTS This product contains a maximum of 66% by weight of volatiles. These consist of mostly water, plus a maximum of 12% by weight of a nitrogen compound and alcohols. This mixture contains no other ingredient known to retain hazardous properties or which is defined as hazardous by OSHA. Section III — PHYSICAL DATA **BOILING RANGE APPEARANCE** TYPE OF ODOR - 168-212°F Uncolored Liquid Ammoniacal **EVAPORATION RATE** X VAPOR DENSITY: HEAVIER ♥ **FASTER** vs. air vs. Butyl Acetate LIGHTER [ SLOWER LIQUID DENSITY: HEAVIER vs. water PERCENT VOLATILE WT. LIGHTER 66 % Maximum Section IV — FIRE & EXPLOSION DATA FLASH POINT Combustible LOWEST FLASH LOWER 53°F (cc) EXPLOSIVE CATEGORY Class II POINT 2.0 Vol.% LIMIT (OSHA) **EXTINGUISHING MEDIA** Dry chemical, foam, CO, SPECIAL FIRE FIGHTING PROCEDURE: None UNUSUAL FIRE & EXPLOSION HAZARDS None

THIS FORM HAS BEEN SUBMITTED TO U.S.D.O.L. AS ESSENTIALLY SIMILAR TO

## USOS-U.S. OCCUPATIONAL STANDARD FOR WORKPLACE AIR (TLV)

100 - 1,000 ppm

**EFFECTS OF OVEREXPOSURE:** 

Prolonged breathing of vapors can cause headaches, nausea and/or

narcosis. Skin contact may cause irritation. Eye contact may cause irritation.

**EMERGENCY FIRST AID:** 

For Inhalation:

Remove to fresh air.

For Skin Contact:

Wash liberally with soap and water - use suitable hand cream.

For Eye Contact:

Flush with plenty of water - if irritation persists, consult physician.

#### Section VI — REACTIVITY DATA

PRODUCT STABILITY

STABLE

UNSTABLE

X

CONDITIONS TO AVOID

Avoid contact with strong acids, alkalies, or oxidizers.

### Section VII — SPILL OR LEAK PROCEDURES

#### PROCEDURE WHEN MATERIAL SPILLED OR RELEASED

Eliminate all sources of vapor ignition. Ventilate area. Remove by using suitable inert absorbing material.

WASTE DISPOSAL METHOD

In accordance with applicable local, state, or federal regulations.

# Section VIII — SPECIAL PROTECTION INFORMATION

#### **VENTILATION**

General ventilation with a minimum rate of not less than one (1) cubic foot per minute per square foot of solid floor area, to include all floor areas or pits where flammable vapors-may collect.—

#### PROTECTIVE EQUIPMENT; RESPIRATORY, EYE, ETC.

Suitable eye protective equipment should be available to avoid accidental splashing into eyes. Cloves should be worn where prolonged contact may occur.

# Section IX — SPECIAL PRECAUTIONS

#### STORAGE & HANDLING

Keep container closed when not in use. Keep away from excess heat. Avoid freezing.

# METERIAL SAFETY DATASHEET FOR PRINTING INK AND RELATED MATERIALS

NAPIM 11-71 (Řev. 6-76)

Ref:

SVM-4362-E

	<del></del>					<del></del>
		Sec	tion I			
MANUFACTURER'	'S NAME			EMER	RGENCY PH	ONE NO.
	Valentine Co., Inc	•_		90	4/968-9511	
						<del></del>
STREET ADDRESS	Cantonment, FL					
PRODUCT CLASS		TRADE NAME	***	<del></del>		<del></del>
Flexographic In		2055 A/F OVERLACQUER				
MANUFACTURER		1	6.0			
PNSC-5934						
11100 3754						
	Sect	ion II — HAZAF	RDOUS INGREDI	ENTS		
This mixture			ight of water. own to retain haza	ardous	propertie	s or which
		Section III — F	PHYSICAL DATA	\		
BOILING RANGE	212°F		APPEARANCE U1	ncolore	d Liquid	TYPE OF ODOR
VAPOR DENSITY	: HEAVIER 🖾		EVAPORATION RA	ATE	FASTER	х
	LIGHTER 🛚	vs. air	vs. Butyl Acetate			A .
LIQUID DENSITY	: HEAVIER []				SLOWER	
	LIGHTER	vs. water	PERCENT VOLAT	ILE WT.	53	% Maximum
	Sec	tion IV — FIRE	& EXPLOSION I	ATA	•	
FLASH POINT CATEGORY (OSHA)	N/A	LOWEST FLASH POINT	N/A	LOWE EXPLO LIMIT		Not Establis
EXTINGUISHIN	IG MEDIA	Dry	chemical, foam, CO <sub>2</sub>	2		
SPECIAL FIRE FI	GHTING PROCED	URE:		<del></del>		
		None	<b>:</b>		• •	,
LIAUICUA: FIRE	6 EVDI 00:01:11	74000				
UNUSUAL FIRE	& EXPLOSION HA	ZARDS				1.
		None	·* .			
		2.5110	·		•	

# USOS-U.S. OCCUPATIONAL STANDARD FOR WORKPLACE AIR (TLV) Not Established

FFFFCTS OF OVEREXPOSURE:

Prolonged breathing of vapors can cause headaches, nausea and/or

narcosis. Skin contact may cause irritation. Eye contact may cause irritation.

**EMERGENCY FIRST AID:** 

For Inhalation:

Remove to fresh air.

For Skin Contact:

Wash liberally with soap and water - use suitable hand cream.

For Eve Contact:

Flush with plenty of water - if irritation persists, consult physician.

# Section VI — REACTIVITY DATA

PRODUCT STABILITY

STABLE

UNSTABLE

X

CONDITIONS TO AVOID

Avoid contact with strong acids, alkalies, or oxidizers.

#### Section VII — SPILL OR LEAK PROCEDURES

#### PROCEDURE WHEN MATERIAL SPILLED OR RELEASED

Eliminate all sources of vapor ignition. Ventilate area. Remove by using suitable inert absorbing material.

WASTE DISPOSAL METHOD

In accordance with applicable local, state, or federal regulations.

### Section VIII — SPECIAL PROTECTION INFORMATION

#### **VENTILATION** -

General ventilation with a minimum rate of not less than one (1) cubic foot per minute per square foot of solid floor area, to include all floor areas or pits where flammable vapors may collect.

#### PROTECTIVE EQUIPMENT; RESPIRATORY, EYE, ETC.

Suitable eye protective equipment should be available to avoid accidental splashing into eyes. Gloves should be worn where prolonged contact may occur.

Brid ISIMHUNO 435

Section IX — SPECIAL PRECAUTIONS

STORAGE & HANDLING

Koop container closed when not in use. Keep away from excess heat. Avoid freezing.

# MATERIAL SAFETY DATA SHEET

3/6/84 DATE:

FOR PRINTING INK AND RELATED MATERIALS

					Our Ker	5VM-4362-D
		Sect	ion I			
MANUFACTURER	'S NAME			EME	RGENCY PH	ONE NO.
SINCLAIR	& VALENTINE CO.	, INC.		90	04/968-951	
STREET ADDRESS	S (No., City, State, Z	ip)				
	Cantonment, FL 3	2533				
PRODUCT CLASS Solvent Based F1	experaphic Ink	TRADE NAME				
MANUFACTURER			2016V FLEXO	OVERLAC	CQUER	
MANOTAGE CONTEN						-
PNSC-5338						
	Secti	on II — HAZAR	DOUS INGRE	DIENTS	i	
hydrocarbon. This mixture	,	of 68% by weight ner ingredient kn DSHA.				
		Section III — P	HYSICAL DAT	Å		
BOILING RANGE			APPEARANCE			TYPE OF ODOF
	168-215°	F		Uncolor	ed Liquid	Alcoholic -
VAPOR DENSITY	: HEAVIER ☒ LIGHTER ☐	vs. air	EVAPORATION I	RATE	FASTER	Х
LIQUID DENSITY	: HEAVIER □				SLOWER	•
	LIGHTER X	vs. water	PERCENT VOLA	TILE WT.	68	% Maximum
	Sec	tion IV — FIRE	& EXPLOSION	DATA		
FLASH POINT CATEGORY (OSHA)	Flammable Class IB	LOWEST FLASH POINT	13°F (cc)	LOWE EXPLO	OSIVE	1.2 Vol.%
EXTINGUISHIN	IG MEDIA	Dry chemical,	Foam, CO <sub>2</sub>	·		
SPECIAL FIRE FI	GHTING PROCEDU	JRE:				
Avoid prolo	nged breathing o	f fumes. Use wa	ter to keep clos	ed conta	iners cool	<b>1.</b>
UNUSUAL FIRE	& EXPLOSION HAZ	ARDS	· · · · · · · · · · · · · · · · · · ·		••	No. 1
	ignite explosive	ely. Vapors may luring fire may c				of closed

THIS FORM HAS BEEN SUBMITTED TO U.S.D.O.L. AS ESSENTIALLY SIMILAR TO OSHA FORM 20 AND IS SUPPLIED AS AN INDUSTRY SERVICE BY THE NATIONAL ASSOCIATION OF PRINTING INK MANUFACTUREDS INC.

# USOS-U.S. OCCUPATIONAL STANDARD FOR WORKPLACE AIR (TLV)

100 - 1,000 ppm

EFFECTS OF OVEREXPOSURE: Prolonged breathing of vapors can cause nausea and/or narcosis. Skin contact may cause irritation due to de-fatting action of solvents. Eye contact may cause irritation.

EMERGENCY FIRST AID:

For Inhalation:

Remove to fresh air.

For Eye Contact:

Flush with plenty of water -

consult physician.

For Skin Contact:

Wash liberally with soap and water - use suitable hand cream.

## Section VI - REACTIVITY DATA

PRODUCT STABILITY

STABLE

UNSTABLE

XX

CONDITIONS TO AVOID

Avoid contact with strong acids, alkalies, or oxidizers.

## Section VII — SPILL OR LEAK PROCEDURES

#### PROCEDURE WHEN MATERIAL SPILLED OR RELEASED

Eliminate all sources of vapor ignition. Ventilate area. Remove by using suitable inert absorbing material.

#### WASTE DISPOSAL METHOD

In accordance with applicable local, state and federal regulations.

### Section VIII — SPECIAL PROTECTION INFORMATION

#### VENTILATION

General ventilation with a minimum rate of not less than one (1) cubic foot per minute per square foot of solid floor area, to include all floor areas or pits where flammable vapors may collect.

#### PROTECTIVE EQUIPMENT; RESPIRATORY, EYE, ETC.

Suitable eye protective equipment should be available to avoid accidental splashing into eye. Gloves should be worn where prolonged contact may occur.

# Section IX — SPECIAL PRECAUTIONS

STORAGE & HANDLING

Keep containers closed when not is use. Keep away from open flame or excessive heat.

# MATERIAL SAFETY DATASHEET FOR PRINTING INK AND RELATED MATERIALS

				,	Our Ref:	SVM-4362-C
		Sect	tion I			
MANUFACTURER	'S NAME			EME	RGENCY PH	ONE NO.
•	NCLAIR & VALENTINE CO., INC. 904/968-9511					L
	S (No., City, State, Z	•		<del></del>		
PRODUCT CLASS	Cantonment, FL 3	TRADE NAME				
Solvent Based Fl	exographic Ink		2056 NON-SKI	D FLEX	OVERLACQU	JER
MANUFACTURER	S CODES	·				
PNSC-6191						
	Section	on II — HAZAR	DOUS INGREDI	ENTS		
This mixture		er ingredient kn	ight of alcohols own to retain haz			s or which
		Section III — P	HYSICAL DATA	٧٠.		
BOILING RANGE	168-215°F		APPEARANCE	ncolor	ed Liquid	TYPE OF ODOF Alcoholic
VAPOR DENSITY	: HEAVIER ☒ ·	vs. air	EVAPORATION RA	ATE	FASTER	x
LIQUID DENSITY					SLOWER	·
·	LIGHTER X	vs. water	PERCENT VOLAT	LE WT.	60	% Maximum
	Sect	ion IV — FIRE	& EXPLOSION I	ATA		
FLASH POINT CATEGORY (OSHA)	Flammable Class IB	LOWEST FLASH POINT	24°F (cc)	LOWE EXPLO		2.0 vol.%
<u> </u>	10.145014	Д		C114111		2.0 001.%
EXTINGUISHIN	IG MEDIA	Dry chemical, f	Foam, CO <sub>2</sub>	_	٠.	
SPECIAL FIRE FI	GHTING PROCEDU	RE:			<del></del>	
Avoid prolo	nged breathing o	f fumes. Use wat	er to keep closed	i conta	iners cool	•
UNUSUAL FIRE 8	& EXPLOSION HAZ	ARDS			<del></del>	·
			spread long distar ause disruptive p			f closed

THIS FORM HAS BEEN SUBMITTED TO U.S.D.O.L. AS ESSENTIALLY SIMILAR TO OSHA FORM 20 AND IS SUPPLIED AS AN INDUSTRY SERVICE BY THE NATIONAL ASSOCIATION OF PRINTING INK MANUFACTURERS INC. (Information on this form is

## USOS-U.S. OCCUPATIONAL STANDARD FOR WORKPLACE AIR (TLV)

100 - 1,000 ppm

EFFECTS OF OVEREXPOSURE: Prolonged breathing of vapors can cause nausea and/or narcosis. Skin contact may cause irritation due to de-fatting action of solvents. Eye contact may cause irritation.

**EMERGENCY FIRST AID:** 

For Inhalation:

Remove to fresh air.

For Eye Contact:

Flush with plenty of water -

consult physician;

For Skin Contact:

Wash liberally with soap and water - use suitable hand cream.

#### Section VI - REACTIVITY DATA

PRODUCT STABILITY

STABLE

UNSTABLE

XX

#### CONDITIONS TO AVOID

Avoid contact with strong acids, alkalies, or oxidizers.

#### Section VII — SPILL OR LEAK PROCEDURES

#### PROCEDURE WHEN MATERIAL SPILLED OR RELEASED

Eliminate all sources of vapor ignition. Ventilate area. Remove by using suitable inert absorbing material.

#### WASTE DISPOSAL METHOD

In accordance with applicable local, state and federal regulations.

## Section VIII — SPECIAL PROTECTION INFORMATION

#### VENTILATION

General ventilation with a minimum rate of not less than one (1) cubic foot per minute per square foot of solid floor area, to include all floor areas or pits where flammable vapors may collect.

#### PROTECTIVE EQUIPMENT; RESPIRATORY, EYE, ETC.

Suitable eye protective equipment should be available to avoid accidental splashing into eyes. Gloves should be worn where prolonged contact may occur.

# Section IX — SPECIAL PRECAUTIONS

STORAGE & MINDLING

Keep containers closed when not is use. Keep away from open flame or excessive heat.

# MERIAL SAFETY DATA SHEET FOR PRINTING INK AND RELATED MATERIALS

Our Ref: SVM-4362-B

		Sec	tion I			
MANUFACTURER	'S NAME			EME	RGENCY PH	ONE NO.
•	& VALENTINE CO.				4/968-951	1
	S (No., City, State, Z					
	Cantonment, FL 3	·				
PRODUCT CLASS	Laucoument, The	TRADE NAME			· ·	
Solvent Based Fl	exographic Ink	2031 FLEXO OVERLACQUER				
MANUFACTURER	S CODES					
PNSC-3077						
			<del></del>			
!	Section	on II — HAZAR	DOUS INGRED	IENTS		
This mixture	contains a maxi contains no oth hs hazardous by (	ner ingredient kn	ight of an alcoho own to retain haz	ol. Zardous	propertie	s or which
•		•				
		Section III — P	HYSICAL DATA			
BOILING RANGE	168-175°1	₹	APPEARANCE	Jncolor	ed Liquid	TYPE OF ODOR Alcoholic
VAPOR DENSITY	HEAVIER X	vs. air	EVAPORATION RA	ATE	FASTER	X
LIQUID DENSITY	· HEAVIER I		<del> </del>		SLOWER	-
LIGOID DENSITY	LIGHTER X	vs. water	PERCENT VOLAT	ILE WT.	56	% Maximum_
	Sect	ion IV — FIRE	& EXPLOSION I	DATA		
FLASH POINT CATEGORY (OSHA)	Flammable Class IB	LOWEST FLASH POINT	75°F (cc)	LOWE EXPLO		4.3 Vol.%
EXTINGUISHIN	G MEDIA	Dry chemical, f	coam, CO,			
SPECIAL FIRE FI	GHTING PROCEDU	RE:	<u> </u>	<del></del>	<del></del>	,
			er to keep closed	l conta	iners cool	. !
UNUSUAL FIRE 8	EXPLOSION HAZ	ARDS		<del></del>		
Vapors may	ignite explosive	ly. Vapors may s	spread long distar			of closed

THIS FORM HAS BEEN SUBMITTED TO U.S.D.O.L. AS ESSENTIALLY SIMILAR TO OSHA FORM 20 AND IS SUPPLIED AS AN INDUSTRY SERVICE BY THE NATIONAL ASSOCIATION OF PRINTING INK MANUFACTURERS INC. (Information on this form is

USOS-U.S. OCCUPATIONAL STANDARD FOR WORKPLACE AIR (TLV)

100 - 1,000 ppm

EFFECTS OF OVEREXPOSURE: Prolonged breathing of vapors can cause nausea and/or narcosis. Skin contact may cause irritation due to de-fatting action of solvents. Eye contact may cause irritation.

EMERGENCY FIRST AID:

For Inhalation:

Remove to fresh air.

For Eye Contact:

Flush with plenty of water -

consult physician.

For Skin Contact:

Wash liberally with soap and water - use suitable hand cream.

### Section VI — REACTIVITY DATA

PRODUCT STABILITY

STABLE

UNSTABLE

XX

CONDITIONS TO AVOID

Avoid contact with strong acids, alkalies, or oxidizers.

#### Section VII — SPILL OR LEAK PROCEDURES

PROCEDURE WHEN MATERIAL SPILLED OR RELEASED

Eliminate all sources of vapor ignition. Ventilate area. Remove by using suitable inert absorbing material.

WASTE DISPOSAL METHOD

In accordance with applicable local, state and federal regulations.

# Section VIII — SPECIAL PROTECTION INFORMATION

#### VENTILATION

General ventilation with a minimum rate of not less than one (1) cubic foot per minute per square foot of solid floor area, to include all floor areas or pits where flammable vapors may collect.

PROTECTIVE EQUIPMENT; RESPIRATORY, EYE, ETC.

Supplied by protective equipment should be available to avoid accidental splashing into eye Gloves should be worn where prolonged contact may occur.

# Section IX — SPECIAL PRECAUTIONS

#### STORAGE & HANDLING

Keep containers closed when not is use. Keep away from open flame or excessive heat.

# MATERIAL SAFETY DATA SHEET

DATE: 3/6/84

FOR PRINTING INK AND RELATED MATERIALS

NAPIM 11-71 (Rev. 6-76)

Our Ref: SVM-436

				A		
	Sec	tion I				
MANUFACTURER'S NAME		·   E	MERGENCY PI	HONE NO		
Sinclair & Valentine Co., Inc		904/968-951				
				<del></del>		
STREET ADDRESS (No., City, State, 2 P.O. Box 46, Cantonment, FL 3						
PRODUCT CLASS Water Based	TRADE NAME					
Flexographic Ink	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	2041 A/F OVERLAC	QUER			
MANUFACTURERS CODES	1	<i>2</i>	2	٠,		
PNSC-6061						
			•			
Section II — HAZARDOUS INGREDIENTS						
This product contains a maximum of 51% by weight of volatiles. These consist of mostly water, plus a maximum of 10% by weight of a glycol, a glycol ether, and a nitrogen compound.  This mixture contains no other ingredient known to retain hazardous properties or which is defined as hazardous by OSHA.						
	Section III — P	HYSICAL DATA		,		
	Section in — F	TITSICAL DATA				
BOILING RANGE		APPEARANCE		TYPE OF ODOR		
212-370°F		Unco]	lored Liquid	Ammoniacal		
VAPOR DENSITY: HEAVIER ☒		EVAPORATION RATE	FASTER			
LIGHTER	vs. air	vs. Butyl Acetate	PASIER	Х		
LIQUID DENCITY, HEAVIED F			SLOWER			
LIQUID DENSITY: HEAVIER ☑ LIGHTER □	vs. water	PERCENT VOLATILE	WT.	% Maximum		
			51			
Sec	tion IV — FIRE	& EXPLOSION DA	ΤΑ			
FLASH POINT Combustible CATEGORY (OSHA)	LOWEST FLASH POINT	EX	WER (PLOSIVE MIT	1.1 Vol.%		
EXTINGUISHING MEDIA	Dry c	hemical, foam, CO <sub>2</sub>				
SPECIAL FIRE FIGHTING PROCEDU	JRE:		2.1	The Man		
	None	·.	•			
LIMITELIAL FIRE & CVPLOSION IN T	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	* *	·		
UNUSUAL FIRE & EXPLOSION HAZ	AKUS					
	None					
!				•		

THIS FORM HAS BEEN SUBMITTED TO U.S.D.O.L. AS ESSENTIALLY SIMILAR TO OSHA FORM 20 AND IS SUPPLIED AS AN INDUSTRY SERVICE BY THE NATIONAL

#### USOS-U.S. OCCUPATIONAL STANDARD FOR WORKPLACE AIR (TLV)

25-100 ppm

#### **EFFECTS OF OVEREXPOSURE:**

Prolonged breathing of vapors can cause headaches, nausea and/or narcosis. Skin contact may cause irritation. Eye contact may cause irritation.

#### **EMERGENCY FIRST AID:**

For Inhalation:

Remove to fresh air.

For Skin Contact:

Wash liberally with soap and water - use suitable hand cream.

For Eye Contact:

Flush with plenty of water - if irritation persists, consult physician.

#### Section VI — REACTIVITY DATA

PRODUCT STABILITY

STABLE

UNSTABLE

X.

#### CONDITIONS TO AVOID

Avoid contact with strong acids, alkalies, or oxidizers.

## Section VII — SPILL OR LEAK PROCEDURES

#### PROCEDURE WHEN MATERIAL SPILLED OR RELEASED

Eliminate all sources of vapor ignition. Ventilate area. Remove by using suitable inert absorbing material.

#### WASTE DISPOSAL METHOD

In accordance with applicable local, state, or federal regulations.

## Section VIII — SPECIAL PROTECTION INFORMATION

#### **VENTILATION**

General ventilation with a minimum rate of not less than one (1) cubic foot per minute per square foot of solid floor area, to include all floor areas or pits where flammable vapors may collect.

#### PROTECTIVE EQUIPMENT; RESPIRATORY, EYE, ETC.

Suitable eye protective equipment should be available to avoid accidental splashing into eyes. Glaves should be worn where prolonged contact may occur.

# Section IX — SPECIAL PRECAUTIONS

#### STORAGE & HANDLING

Keep container closed when not in use. Keep away from excess heat. Avoid freezing.

State of Florida
DEPARTMENT OF ENVIRONMENTAL REGULATION

#### INTEROFFICE MEMORANDUM

outing To District Offices And/Or To Other Than The Addressee		
То:	Loctn.:	
To:	Loctn.: Loctn.: Loctn.:	<u> </u>
То:	Loctn.:	
From:	Date:	· · · · · · · · · · · · · · · · · · ·
Reply Optional [ ]	Reply Required [ ]	Info. Only [ ]
Date Due:	Date Due:	•

March 14, 1984

TO

File

FROM

Robert J. Brazzell

SUBJECT: High pH at St. Regis

During a compliance inspection of the St. Regis Paper Company on February 2, 1984, Mr. Rick Bradburn from the District collected a water sample from a small stream on the property approximately 300 yards north of Hwy. 186. The pH of the sample was determined to be 11.4 in the field and 11.15 in the laboratory. A previous sample taken on November 18, 1983, at approximately the same location showed a pH of 9.8.

As this pH was markedly above the normal pH of ambient waters in the area (less than 7.0) we again sampled, in company with St. Regis personnel, on February 9, 1984. This sampling showed pH of from 8.8 to 12.2 in water samples over a wide general area but did not locate the specific source. Soil samples from the area were collected.

On February 13, 1984 I wrote a letter to Mr. M. T. Still, Technical Superintendent of St. Regis, acquainting him of our findings and requesting he evaluate the cause of the high pH values and how it could best be eliminated.

On March 13, 1984 I received a call from our Tallahassee SPAN Laboratory with the results from the soil samples we had collected on February 9. The site sample showed a calcium content of 250,861 mg/kg while in the background sample calcium was below the detectable limit.

I called Mr. Still today to inquire about his answer to my previous correspondence. He indicated that he had not yet replied, that Mr. Justice of St. Regis, who accompanied our samplers on February 9, had informed him that it was only small puddles of water involved and that even if it did get in the water it would quickly be diluted to insignificance. He further indicated that he did not know what was causing it, that perhaps it was from something in an old community dump that he believe existed in that area many years ago. He further stated that he didn't think it was significant and he had no idea of what to do about it.

I acquainted him with the results of the analysis of our soil sample which showed calcium levels of 250,861 mg/kg and informed him that water with a pH in excess of 12 was considered as hazardous waste.

Page 2 St. Regis Paper Company March 14, 1984

He indicated he would look into the matter and get back with me shortly.

RJB/rbg

cc: Robert V. Kriegel
Tom Moody
Bill Kellenberger