

**From:** [Barnes, Jan](#)  
**To:** [Lopez, Daniel G](#)  
**Cc:** [Blandin, Norva](#)  
**Subject:** RE: Fwd: FDEP Compliance Evaluation Inspection: Fort Lauderdale Transflo Terminal (EPA ID # FLD984253542) - Request for Corrective Actions  
**Date:** Monday, July 9, 2018 3:55:19 PM  
**Attachments:** [image001.png](#)

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Daniel

As requested I am sending photos of the corrective actions TRANSFLO has taken thus far.

1. Drum relabeled to correctly reflect Used Oil Filters.
2. Painted drum lids that were rusty
3. Tarped waste drums to protect from any rain from potential roof leaks

We have also had the parts washer fluid sampled and tested to determine the proper waste profile is in place. The sample was taken on 7/6/18 and the analysis should take about a week.

I will give you a call shortly to discuss the paperwork flow through the terminal further to ensure you have a clear understanding of our process.

Regards,

**Jan M. Barnes, CHMM**

TRANSFLO Terminal Services, Inc.

Director - Health, Safety, Environmental & Quality

(904) 359-1323; Fax (904) 245-2257; Cell (904) 923-6044

500 Water Street, J975

Jacksonville, FL 32202

\* Before printing, think about ENVIRONMENTAL responsibility

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**From:** Lopez, Daniel G

**Sent:** Monday, July 9, 2018 1:48 PM

**To:** Barnes, Jan

**Cc:** Blandin, Norva

**Subject:** RE: Fwd: FDEP Compliance Evaluation Inspection: Fort Lauderdale Transflo Terminal (EPA ID # FLD984253542) - Request for Corrective Actions

Good Afternoon Ms. Barnes:

Thank you for providing me an update on the facility's progress on resolving the open noncompliance issues observed during the 03/14/2018 inspection.

I will be meeting with my supervisor on Wednesday in order to review the used oil acceptance and delivery records provided by Mr. Smith during the inspection, so I will be sending a follow-up email to you concerning the recordkeeping corrective actions that need to be undertaken by Wednesday afternoon.

In terms of the other potential noncompliance issues detailed in the inspection report, **please submit (via email) photographs of any corrective actions that the facility has already undertaken.**

Thank you very much, and please contact me if you have any other questions.

Sincerely,

**Daniel G. Lopez**

**Environmental Specialist I**

Florida Department of Environmental Protection

Southeast District – West Palm Beach

3301 Gun Club Road, MSC 7210-1

West Palm Beach, FL 33406

[Daniel.G.Lopez@floridadep.gov](mailto:Daniel.G.Lopez@floridadep.gov)

Office: 561.681.6605



**From:** Barnes, Jan [<mailto:jbarnes@transflo.net>]

**Sent:** Monday, July 9, 2018 1:30 PM

**To:** Lopez, Daniel G <[Daniel.G.Lopez@FloridaDEP.gov](mailto:Daniel.G.Lopez@FloridaDEP.gov)>

**Cc:** Blandin, Norva <[Norva.Blandin@dep.state.fl.us](mailto:Norva.Blandin@dep.state.fl.us)>

**Subject:** RE: Fwd: FDEP Compliance Evaluation Inspection: Fort Lauderdale Transflo Terminal (EPA ID # FLD984253542) - Request for Corrective Actions

Mr. Lopez

I wanted to confirm you received my email below and to ask when I can expect to receive the requested copies of documentation you reference in your Inspection Report? We are working proactively to respond in a timely manner to the report but need the requested information.

Regards,

**Jan M. Barnes, CHMM**

TRANSFLO Terminal Services, Inc.

Director - Health, Safety, Environmental & Quality

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500 Water Street, J975

Jacksonville, FL 32202

\* Before printing, think about ENVIRONMENTAL responsibility

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**From:** Barnes, Jan

**Sent:** Thursday, July 5, 2018 3:03 PM

**To:** 'Daniel.G.Lopez@FloridaDEP.gov' <[Daniel.G.Lopez@FloridaDEP.gov](mailto:Daniel.G.Lopez@FloridaDEP.gov)>

**Cc:** 'Norva.Blandin@dep.state.fl.us' <[Norva.Blandin@dep.state.fl.us](mailto:Norva.Blandin@dep.state.fl.us)>

**Subject:** FW: Fwd: FDEP Compliance Evaluation Inspection: Fort Lauderdale Transflo Terminal (EPA ID # FLD984253542) - Request for Corrective Actions

Mr. Lopez

I am in receipt of your inspection report for our Ft. Lauderdale TRANSFLO Terminal. In reviewing the report I need your help with providing us copies of the documents that you reference as needing correction. As I understand it you took photographs which the terminal does not have copies of. We are working to address the issues outlined in your report and for the document corrections we have to work with the shipper as they are the generator of the waste and the documents and shipper and receiver of the waste.

The drum storage area has been temporarily repaired with tarps and we are scheduling with a roofer to provide a permanent solution as soon as possible. We have also relabeled the Used Oil Filter drum. We will continue to address the remaining issues as quickly as possible and provide a response as required.

Regards,

**Jan M. Barnes, CHMM**

TRANSFLO Terminal Services, Inc.

Director - Health, Safety, Environmental & Quality  
(904) 359-1323; Fax (904) 245-2257; Cell (904) 923-6044  
500 Water Street, J975  
Jacksonville, FL 32202  
\* Before printing, think about ENVIRONMENTAL responsibility

-----Original Message-----

**From:** Gary Smith [[gsmith@arrowmaterialservices.com](mailto:gsmith@arrowmaterialservices.com)]  
**Received:** Thursday, 28 Jun 2018, 2:55PM  
**To:** Chewning, Christopher [[cchewning@transflo.net](mailto:cchewning@transflo.net)]; Strode, Anthony (External) [[astrode@arrowmaterialservices.com](mailto:astrode@arrowmaterialservices.com)]  
**Subject:** Fwd: FDEP Compliance Evaluation Inspection: Fort Lauderdale Transflo Terminal (EPA ID # FLD984253542) - Request for Corrective Actions

Gary B Smith  
Terminal Manager  
Fort Lauderdale TRANSFLO  
890 SW 21st Ave  
Fort Lauderdale, FL 33312  
Office: (954) 584-3111  
Cell: (954) 635-7927

Begin forwarded message:

**From:** "Lopez, Daniel G" <  
**To:** "Gary Smith" <[gsmith@arrowmaterialservices.com](mailto:gsmith@arrowmaterialservices.com)>  
**Cc:** "Blandin, Norva" <  
**Subject: RE: FDEP Compliance Evaluation Inspection: Fort Lauderdale Transflo Terminal (EPA ID # FLD984253542) - Request for Corrective Actions**

Good Afternoon Mr. Smith:

Thank you very much again for sending me the photographs of the facility's posted USDOT Hazardous Materials Certificate of Registration. However, there are certain noncompliance issues that need to be resolved. Your facility has been out of compliance for 106 days, so corrective actions need to be undertaken **as soon as possible**.

I have attached a copy of the inspection report to this email, which details the **four (4) noncompliance issues** observed during the inspection.

**NOTE:**

- **When reviewing the noncompliance issues in the inspection report, please disregard the listed noncompliance issue of 40 CFR 279.45(e) (i.e. Non-Compliance Issue # 2 on Pages 10-11 of the attached inspection report)**
  - The Department has further reviewed the facility's used oil

secondary containment mechanisms, and has determined that these secondary containment mechanisms are adequate

In terms of the four (4) remaining noncompliance issues, I have detailed the corrective actions that need to be undertaken below:

**USED OIL CONTAINER MANAGEMENT REQUIREMENTS (40 CFR 279.45(g)(1); F.A.C. 62-710.401(6))**

1. **During the inspection, the inspector noted that one (1) partially filled used oil tanker rail car was open, thereby exposing the contents of the tanker rail car to the elements**

**Corrective Action: Please submit (via email) photographs illustrating that all filled and partially filled used oil tanker rail cars currently situated at the facility have been closed**

- All used oil tanker rail cars must remain closed unless used oil is actively being added to or removed from the rail car(s)

2. **During the inspection, the inspector noted that the roof overhanging the facility's outdoor waste storage area was not sufficiently waterproof, thereby exposing the used oil containers stored within the area to the elements**

**Corrective Action: Please acquire/install a new sufficiently waterproof weather protection mechanism that will protect all used oil storage containers situated in the outdoor storage area from the elements, and then submit photographs (via email) indicating that a new sufficiently waterproof roof and/or alternative weather protection mechanism has been installed over/within the outdoor container storage area**

**USED OIL TRANSPORTER EMERGENCY PREPAREDNESS REQUIREMENTS (40 CFR 279.45)**

1. **During the inspection, the inspector noted that the facility was not maintaining on-site a site-specific Spill Prevention, Control, and Countermeasures (SPCC) Plan**

**Corrective Action: Please draft a site-specific Spill Prevention, Control, and Countermeasures (SPCC) Plan for the Fort Lauderdale Transflo Terminal Facility and submit (via email) a copy of this site-specific SPCC Plan to the Department for review**

- According to 40 CFR 279.45, "Used oil transporters are subject to all applicable Spill Prevention, Control and Countermeasures (40 CFR part 112) in addition to the requirements of this subpart [i.e. 40 CFR 279.45]"

**USED OIL FILTER CONTAINER MANAGEMENT REQUIREMENTS (F.A.C. 62-710.850(5)(a))**

1. **During the inspection, the inspector noted that the facility had not labeled one (1) used oil filter storage drum with the words**

### **“Used Oil Filters”**

- I have included the picture of the improperly labeled used oil filter drum that I observed during the inspection on Page 13 of the attached inspection report

**Corrective Action: Please label all used oil filter storage containers currently accumulating on-site with the words “Used Oil Filters,” and submit (via email) photographs illustrating that all used oil filter storage containers currently accumulating at the facility have been properly labeled with the words “Used Oil Filters”**

2. During the inspection, the inspector noted that the roof overhanging the facility’s outdoor waste storage area was not sufficiently waterproof, thereby exposing the used oil filter containers stored within the area to the elements

**Corrective Action: Please acquire/install a new sufficiently waterproof weather protection mechanism that will protect all used oil filter storage containers situated in the outdoor storage area from the elements, and submit photographs (via email) indicating that a new sufficiently waterproof roof and/or alternative weather protection mechanism has been installed over/within the outdoor container storage area**

Please undertake and submit photographs/documentation of the aforementioned corrective actions within **seven (7) days** of today (i.e. by July 5, 2018).

In terms of the submittal of the SPCC Plan, please submit the facility’s site-specific SPCC plan within **fifteen (15) days** of today (i.e. by July 13, 2018).

### **USED OIL TRANSPORTER/TRANSFER FACILITY RECORD KEEPING REQUIREMENTS (40 CFR 279.46; F.A.C. 62-710.510(1))**

1. During the inspection, the inspector noted that Fort Lauderdale Transflo Terminal’s used oil acceptance and delivery records were incorrectly formatted and/or missing certain required information
  - The Department needs to further review Fort Lauderdale Transflo Terminal’s used oil acceptance and delivery records, and will inform the facility as soon as possible about the corrective actions that need to be undertaken in order to resolve any noncompliance issues involving the facility’s used oil acceptance/delivery records

### **ADDITIONAL DEPARTMENT REQUESTS**

In addition to conducting the corrective actions listed above, the Department requests that the facility no longer engage in the following waste management practices:

1. **Puncturing of Waste Aerosol Cans with Nails**
  - As illustrated by the photograph on Page 14 of the attached

inspection report, small quantities of paint residue do accumulate on the nail-equipped board that is used to puncture waste aerosol cans

- Therefore, if you wish to continue puncturing waste aerosol cans, Fort Lauderdale Transflo Terminal must acquire a Department-approved aerosol can puncturing device that can properly contain all residues released from the waste aerosol cans, which – in turn – must be handled as hazardous waste
  - Alternatively, Fort Lauderdale Transflo Terminal personnel may send the waste aerosol cans off-site for recycling or dispose waste aerosol cans as solid waste in the trash (i.e. as long as facility personnel ensure that all waste aerosol cans are RCRA-empty prior to the cans' off-site transport for recycling or disposal in the trash)
    - I have attached a guidance document on waste aerosol can puncturing to this email as a reference

Thank you very much, and please contact me if you have any questions.  
Sincerely,



**Daniel G. Lopez**

**Environmental Specialist I**

Florida Department of Environmental Protection  
Southeast District – West Palm Beach  
3301 Gun Club Road, MSC 7210-1  
West Palm Beach, FL 33406  
[Daniel.G.Lopez@floridadep.gov](mailto:Daniel.G.Lopez@floridadep.gov)  
Office: 561.681.6605



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**HERITAGE - CRYSTAL CLEAN - BILL OF LADING**

HCC Use: \_\_\_\_\_ Loc: **POMPANO RAIL (2018)** Route: \_\_\_\_\_ Page 1 of 1  
 Doc #: \_\_\_\_\_ PB: **180825** WC #: \_\_\_\_\_

**Offerer's Name And Mailing Address**  
 HERITAGE-CRYSTAL CLEAN, LLC  
 1280 NE 45<sup>TH</sup> STREET  
 POMPANO BEACH, FL 33004

**Offerer EPA ID**  
 ILR000130062  
**Offerer State ID**  
 \_\_\_\_\_

Offerer Phone: (877)938-7948

**Transporter 1 Company Name**  
 HERITAGE-CRYSTAL CLEAN, LLC

**Transp 1 EPA ID**  
 ILR000130062

**Transp 1 Phone**  
 (877) 938-7948

**Transporter 2 Company Name**  
 CSX TRANSPORTATION C/O TRANSFLD  
 TERMINAL SERVICES

**Transp 2 EPA ID**  
 FL0006921340

**Transp 2 Phone**  
 (800)232-0144

**Receiver**  
 HERITAGE-CRYSTAL CLEAN, LLC  
 3970 W 10<sup>th</sup> Street  
 INDIANAPOLIS, IN 46222

**Facility EPA ID**  
 INR00006536  
**24Hr Emergency**  
 1-800-424-9300, "1"

**Facility Phone**  
 (877) 938-7948

**Waste Shipping Description and DOT Description (as applicable)**

	Container No.	Type	Total Qty	Unit	Wt/vol
A		TI		gal	
B					
C					
D					

**Special Handling Instructions, Additional Information and Handling Codes (as Applicable)**

\_\_\_\_\_

**OFFERER'S CERTIFICATION:** This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and is in proper condition for transportation according to the applicable regulations of the Department of Transportation.

JASON M Gipe  
 Printed/Typed Name

[Signature] 8/29/18  
 Signature Date

**Transporter 1 Acknowledgement of Receipt Materials**

JASON M - Gipe  
 Printed/Typed Name

[Signature] 8/29/18  
 Signature Date

**Additional Description / Discrepancies**

\_\_\_\_\_

**Receiver:** Certification of receipt of waste materials covered by this bill of lading.

\_\_\_\_\_  
 Printed/Typed Name

\_\_\_\_\_  
 Signature

\_\_\_\_\_  
 Date



**Billing Address**

Lisa Wiedemann  
5235 Moore Loop  
Crestview, FL 32536

**Shipping Address**

Gary Smith  
Ft. Lauderdale TRANSFLO Terminal  
890 SW 21st Avenue  
Fort Lauderdale, FL 33312

**Order**

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Order Number	6551
Order Date	July 26, 2018
Payment Method	Credit Card
Email	lwiedemann@wiedemannllc.com
Telephone	8503063490

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Product	Price	Quantity	Total
Aerosol Can Recycling Box Capacity:6 aerosol cans SKU: 10004933	\$67.95	1	\$67.95
<b>Subtotal</b>			<b>\$67.95</b>
Shipping			\$16.99 via Expedited - 2 Day
<b>Total</b>			<b>\$84.94</b>

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# Aerosol Can Recycling Box

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[newstripe.com/product/aerosol-can-recycling-box/](https://www.newstripe.com/product/aerosol-can-recycling-box/)



\$67.95 – \$187.95

**The Aerosol Can Recycling Box** is the simple convenient way to dispose of your undamaged aerosol cans. Simply *fill it, seal it, and ship it!* Stay compliant while saving time and reducing your administrative cost.

Not available in AK, AR, CT, HI, MA, ME, MN, NH, NY, RI, VT and PR. Not for export.

[Clear](#)

[Add to Wishlist](#)

Add to Wishlist

SKU: N/A Categories: [Aerosol Can Disposal and Recycling](#), [Small Tags: aerosol, recycle, sb1158, Aerosol Can Disposal](#)

[Print](#)

## Overview

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**The Aerosol Can RecyclePak™** offers a unique, all-inclusive, way to recycle your used hazardous and non-hazardous aerosol cans. Perfect for facilities that process less than a pallet of waste.

**Each pack includes:** RecyclePak™ Box, Liner and Tie, 12"x 12" Absorbent Pad, Return Shipment Authorization, Terms and Conditions, Instructions, Proof of Purchase, Prepaid FedEx Ground Label, and Online Certificate of Acceptance for Recycling/Disposal

**The Aerosol Can RecyclePak only takes a few simple steps:**

1. *Fill it!* Just follow the included instructions and pack your aerosol cans.
2. *Seal it!* Seal the liner with the provided tie and tape the box.
3. *Ship it!* Attach the prepaid FedEx shipping label and arrange for pickup.

Once received you are provided with a certificate of recycling.

**Customized Options**– With the RecyclePak™ you can select from four container sizes to meet your needs. This allows you to easily increase or decrease the box size based on your production levels.

**Versatile** – You can fill and return your box immediately or accumulate cans for up to 1 year.

**No Maintenance** – Regulations require that hazardous waste must be identified, stored, and disposed of properly, The RecyclePak™ reduces your administrative burden by providing everything you need to recycle your aerosol cans including certificate of recycling.

**Compliant** – The Aerosol Can Recycling Box is certified or working towards certifications for R2, ISO 14001, OHSAS 18001

Not available in AK, AR, CT, HI, MA, ME, MN, NH, NY, RI, VT and PR. This aerosol can recycling box is not for export.



# Laboratory Test Report

Monday, July 16, 2018

Client ID Parts Washer Solvent

Lab Sample ID EC1807003

SDG 1807002

## CSX Transflow

Contact:	Steven Fischer	Branch	77BSY
Project ID:	CSX Transflow		
Customer:	Safety Kleen		
Address:	5610 Alpha Drive		
	Boynton Beach FL	33426	
	561-402-9111		

All tests contained within this report were performed at the Clean Harbors Analytical Services East Corporate Laboratory located within the Baltimore Facility in Baltimore, MD. Samples are tested in "as-received" condition, and the test results relate only to the sample listed above. The laboratory certifies that the generation of all the test results contained here-in was performed meeting the quality system requirements of ISO/IEC 17025:2005(E) and is in compliance with the listed analytical method except as otherwise noted within this report.

### SPECIAL NOTE:

Page numbers and total number of pages are listed on the bottom of each page. Because each page contains information to the sample, in-which any part may be significantly relevant to the other parts of the report; this report shall not be reproduced, except in full, without the written approval of the laboratory's management. Reproduction of this report of any kind, except in full, shall invalidate this report's laboratory approval and all data contained therein.

### DATA QUALIFIERS

Data qualifiers may be utilized when reporting test results as an aid to understanding laboratory method limitations. Data qualifications may be in the form of either a report narrative or flagged test results. Data qualifier flag definition are located on the last page of the report. EPA Holding Time and Preservation recommendation excursions will be narrated within the individual test group or on page 2 of this report.

Questions regarding this report may be made by contacting the Laboratory Director or your project manager. Please send your positive or negative comments to the Laboratory Quality Manager at [ waite.robert@cleanharbors.com ].

*Bill Fornoff*  
 \_\_\_\_\_  
 Approving Authority  
 Bill Fornoff  
 16-Jul-18



Clean Harbors Analytical Services  
**Laboratory Test Report**

**Report ID**

Monday, July 16, 2018

**Client ID** Parts Washer Solvent

**Lab Sample ID** EC1807003

**SDG** 1807002

**Sample Receipt**

Logged In: 7/9/2018

# Bottles 1

**Sample Container Condition:**

Good

**Shipping Container Condition**

Good

Y

**Proper Sample Container**

Y

**Sample Label Present**

Y

**Sample Label Complete and Matches COC**

**Sample On Ice:**

N

**Temp:**

25.4

deg C

**Thermometer ID:** 003-2-18

N

**Sample Chemically Preserved**

*(documentation review, physical check performed during sample prep is required)*

**Chain-of-Custody Record Present:**

Y

Y

**COC Complete**

N

**Custody Seals Present (on sample or on shipping container)**

NA

**Custody Seals Intact**

**Within Holding Time:**

Y

**Sufficient Sample Volume:**

Y

**ANALYSIS ROUTED**

N

**Reactivity 40CFR261**

N

**Flashpoint 40CFR261**

N

**pH 40CFR261**

N

**pH (non-aqueous)**

Y

**TCLP Metals 40CFR261**

Y

**TCLP Mercury 40CFR261**

N

**TCLP Pesticides 40CFR261 (\*)**

N

**TCLP Herbicides 40CFR261 (\*)**

N

**TCLP Semivolatiles 40CFR161**

N

**TCLP Volatiles 40CFR261**

(\*) outsourced

**SAMPLE RECEIPT COMMENTS**



Clean Harbors Analytical Services

Report ID  
20180716092950

# Laboratory Test Report

Monday, July 16, 2018

(All results are reported on a wet-weight basis unless otherwise noted.)

Client ID Parts Washer Solvent

Lab ID EC1807003

SDG

1807002

Test: TCLP ICP-MS Metals

Test Method: EPA-6020B

TCLP Method: EPA-1311

Parameter	CAS	Qual	Result	Units	RL	LOQ	Waste Code	*Reg Limit	*Reg Units
Arsenic (As)	7440-38-2	<	0.20	mg/L	0.20	0.20	D004	5.0	mg/L
Barium (Ba)	7440-39-3	<	0.20	mg/L	0.20	0.20	D005	100.0	mg/L
Cadmium (Cd)	7440-43-9	<	0.20	mg/L	0.20	0.20	D006	1.0	mg/L
Chromium (Cr)	7440-47-3		0.65	mg/L	0.20	0.20	D007	5.0	mg/L
Lead (Pb)	7439-92-1	<	0.20	mg/L	0.20	0.20	D008	5.0	mg/L
Mercury (Hg)	7439-97-6	<	0.20	mg/L	0.20	0.20	D009	0.2	mg/L
Selenium (Se)	7782-49-2	<	0.20	mg/L	0.20	0.20	D010	1.0	mg/L
Silver (Ag)	7440-22-4	<	0.20	mg/L	0.20	0.20	D011	5.0	mg/L

### Comments:

Arsenic (As) EPA-6020B  
 Barium (Ba) EPA-6020B  
 Cadmium (Cd) EPA-6020B  
 Chromium (Cr) EPA-6020B  
 Lead (Pb) EPA-6020B  
 Mercury (Hg) EPA-6020B  
 Selenium (Se) EPA-6020B  
 Silver (Ag) EPA-6020B

(\* ) 40 CFR 261.24



# Laboratory Test Report

Monday, July 16, 2018

Client ID Parts Washer Solvent

Lab ID EC1807003

SDG

1807002

## REPORTING LIMITS AND ACRONYMS

**RL** Reporting Limit - The lowest level that the laboratory reports down to for that specific test parameter/method combination. The RL is set to be at or above the detection limit determined in a clean control matrix and is adjusted for dilutions. The RL will match the associated LOQ if the detection limit is not routinely verified. Under NELAP, routine detection limit studies are only required when reporting a value below LOQ. Values reported between the LOQ and the RL are always considered estimated. RL is not applicable to some tests.

**LOQ** Limit of Quantitation - The lowest verified point that a value can be reported that is within a known level of confidence, adjusted for sample dilution. LOQ is not applicable for some tests.

**Reg Limit** Regulatory Limit and Regulatory Units - Provided as a courtesy and must be verified as correct for the data's intended and purpose by the data's user. The regulatory citation is provided. **WARNING:** regulatory limits for a parameter different from regulatory citation to regulatory citation. For example, 40 CFR 261 regulatory limits are not equivalent to 40 CFR 268 regulatory limits of the same parameter.

## SURROGATE LIMIT GENERATION

It is important to note that when Surrogates are used as part of the test method, statistical control limits (when employed) are derived from LCS results in an appropriate QC matrix (typically sand for solid matrix samples, reagent water for aqueous matrix samples or TCLP Solution for TCLP extracts, and mineral oil for non-aqueous liquid concentrated waste samples. These limits therefore are representative of the process by which RL/LOQ are established and verified. This allows the user to assess matrix effects related to surrogate recover against a known laboratory control.

## REPORTING FLAGS

**B** Denotes a sample test result analyte that is above the RL was also found in the associated laboratory blank at a concentration above the RL.

**e** Denotes that a positive numeric value is an estimated value. Used when the reported value is greater than the highest calibration point in the curve or above the verified upper linear dynamic range.

**<** Analyte was not detected at the RL.

**j** Denotes that a positive numeric value is an estimated value. Used when the reported value is less than the Lower Limit of Quantitation but at or above the Limit of Detection.

**UJ** RL and LOQ Estimated - Denotes the RL and LOQ has an increased level of potential bias. Used in non-detect values as necessary.

**NR** Not Run - Denotes that the listed analyte was not run.

**\*\* END OF TEST REPORT \*\***



# SAMPLE CHAIN-OF-CUSTODY RECORD

SDG1807002

Ship Samples To:

Clean Harbors East Corporate Lab  
1910 Russell Street  
Baltimore, MD 21203  
Attn: Sample Receiving  
Phone: 410-244-8200

~~EC1807002~~  
EC1807003

mp  
7/9/18



Client Name CSX TransFlow Sales Specialist Name STEVEN FISCHER Branch Name / Number B54/2095

Client Contact Gary Smith Sales Specialist Phone 561-402-9111 Branch Address

Client Email GSmith@ArrowMaterialServices.COM Email Address Steve.Fischer@safety-kleen.com

## COLLECTION INFORMATION

CHAS Assigned SAMPLE ID #	CLIENT SAMPLE IDENTIFICATION	DATE	TIME	DESCRIPTION OF SAMPLE	NO. OF CONTAINERS & SIZE	SIGNATURE OF COLLECTOR
01	parts washer solvent	7/6/18	11:30	solvent	1	<i>Steven Fischer</i>

## ANALYSIS REQUEST (PLACE CHECKS BY TESTS REQUIRED)

<input type="checkbox"/> Full TCLP + Characteristics (D001 - D043) (SPN 82109, 870813, 870812, 870814, 870815)	<input type="checkbox"/> TCLP Semivolatile Only - Aqueous or Solid (SPN 870808)	<input type="checkbox"/> Total Organic Carbon (TOC) (SPN 870824)
<input type="checkbox"/> Full TCLP (D004 - D043) (SPN 82109)	<input type="checkbox"/> TCLP Semivolatile Only - Organics (SPN 870809)	<input type="checkbox"/> Oil and Grease (HEM) (SPN 870816)
<input type="checkbox"/> Full TCLP Minus Pests & Herbs (SPN 82109)	<input type="checkbox"/> Solvent Screen (SPN 870813, 870806, 870807)	<input type="checkbox"/> Total Petroleum Hydrocarbons (TPH) (SPN 870817)
<input type="checkbox"/> Flashpoint / Ignitability for D001 (SPN 870813)	<input type="checkbox"/> (Includes Flashpoint, TCLP Metals & TCLP Volatiles)	<input type="checkbox"/> Total Organic Halogens (TOX) (SPN 870825)
<input type="checkbox"/> pH / Corrosivity for D002 (SPN 870812)	<input type="checkbox"/> TCLP Pesticides (SPN 870810)	<input type="checkbox"/> Gasoline Range Organics (GRO) (SPN 870828)
<input type="checkbox"/> Reactivity Screen (Cyanide/Sulfide) D003 (SPN 870814, SPN 870815)	<input type="checkbox"/> TCLP Herbicides (SPN 870811)	<input type="checkbox"/> Diesel Range Organics (DRO) (SPN 870829)
<input checked="" type="checkbox"/> TCLP Metals Only (SPN 870805)	<input type="checkbox"/> PCBs (including wipes) (SPN 870820)	<input type="checkbox"/> Biochemical Oxygen Demand (BOD) (SPN 870826)
<input type="checkbox"/> TCLP Volatiles Only (SPN 870807)	<input type="checkbox"/> BTEX (SPN 870819)	<input type="checkbox"/> Chemical Oxygen Demand (COD) (SPN 870827)
	<input type="checkbox"/> Heat of Combustion (BTU) (SPN 870822)	<input type="checkbox"/> Specific Gravity/Bulk Density (SPN 870818)
	<input type="checkbox"/> % Water by Karl Fischer (SPN 870823)	<input type="checkbox"/> Paint Filter (to determine if liquid or solid) (SPN 870821)

### ADDITIONAL TESTING REQUESTS:

## SAMPLE TRANSFER RECORD

RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
<i>Steven Fischer</i>	<i>7/6/18</i>	<i>12:30</i>	<i>Matthew N. Beeks</i>	<i>7/9/18</i>	<i>0914</i>

### LAB USE ONLY

TEMPERATURE WHEN RECEIVED 25.4 °C  
SAMPLE KIT OPENED AND CHECKED IN BY MATTHEW BEEKS AT 9:17 ON 7/9/18



CS10118

DUNS NO. 05-397-6651 FED ID NO. 396090019

GENERATOR LOCATION

BILL TO (IF DIFFERENT FROM LOCATION)

NAME	TITLE	SIGN
1		
2		

NAME: CSX TRANSPORTATION  
 DELIVERY ADDRESS: 890 SW 21ST AVE  
 CITY & STATE: FT. LAUDERDALE  
 ZIP: 33312

NAME: [Blank]  
 DELIVERY ADDRESS: [Blank]  
 CITY & STATE: [Blank]  
 ZIP: [Blank]

LOCATION: [Blank] SIC CODE: [Blank]  
 CHAIN: [Blank] ASSOCIATION SVC P/C: [Blank] PROD P/C: [Blank]  
 SALES TAX EXEMPTION NUMBER: [Blank]

DATE PLAYED: 9/6/19 SALES REP NO.: [Blank] CUSTOMERS P.O. NUMBER: [Blank]  
 DATE EQPT/PROD ORDERED: [Blank] SERVICE TAX: [Blank] C.O.M.S. TAX: [Blank] PRODUCT TAX: [Blank]

DEPT	SERVICE/PRODUCT	SERIAL NUMBER	REMARKS/UNIT PRICE	QUANL	CHARGE	SALES TAX	TOTAL CHARGE	SOLVENT/DRUMS	CC	SERVICE TERM	SCHEDULE DATE	FREE INV	PRCNO	RELEASE NO.	MDS
1	310085	TCLP	1228	1	3235										
2		METALS													
3		REPAIRS													
4															
5															
6															
7															

11. US DOT DESCRIPTION (INCLUDING PROPER SHIPPING NAME, HAZARD CLASS, AND ID.)  
 USA EPA ID NO. [Blank] GENERATOR STATE ID NO. [Blank]

CONTAINERS	TOTAL QUANTITY	UNIT	SK DOT NUMBER	INITIALS
1	1	220 LBS	220 LBS TO 220 LBS/MONTH	
2	1	GREATER THAN 220 LBS/MONTH		

DESIGNATED FACILITY NAME AND ADDRESS

USA EPA ID NO. [Blank] STATE ID NO. [Blank]

CASH  TOTAL RECEIVED: [Blank] APPLY PAYMENT TO: [Blank]  
 CHECK NUMBER: [Blank] TODAY'S SERVICE/SALE: [Blank]  
 INVOICE # [Blank] AMOUNT \$ [Blank] INVOICE # [Blank] AMOUNT \$ [Blank]

PREVIOUS CREDIT CARD NO. [Blank] CREDIT CARD NO. [Blank] AMEX EXP DATE [Blank]  
 VISA [Blank] M/C [Blank]

MANIFEST NO. [Blank] LDR MESSAGE [Blank] MANIFEST CODE [Blank] SEQ # [Blank]

CUSTOMER REFERENCE INFORMATION: [Blank]

IN THE EVENT OF AN EMERGENCY CALL 1-800-468-1760 (24 hours)

Print Customer Name: [Blank]  
 By: [Signature] Customer's Authorized Representative

I AGREE TO PAY THE ABOVE CHARGES AND TO BE BOUND BY THE TERMS AND CONDITIONS SET FORTH ABOVE AND ON THE REVERSE SIDE OF THIS DOCUMENT. PLEASE CHARGE MY ACCOUNT FOR THIS TRANSACTION UNLESS OTHERWISE INDICATED IN THE PAYMENT RECEIVED SECTION. THE INDIVIDUAL SIGNING THIS DOCUMENT IS DULY AUTHORIZED TO SIGN AND BIND CUSTOMER TO ITS TERMS. THIS IS TO CERTIFY THAT THE ABOVE-NAMED MATERIALS ARE PROPERLY CLASSIFIED AND LABELLED AND ARE A proper condition for transportation, according to the applicable regulations of the Department of Transportation.

TOTAL CHARGE (FROM ABOVE) [Blank]  
 TOTAL DUE [Blank]

# HERITAGE - CRYSTAL CLEAN - BILL OF LADING

HCC Use Loc: POMPANO RAIL (2018) Route:  Page 1 of 1  
Doc #:  -  PB:180825 WO #:

**Offerer's Name And Mailing Address**

HERITAGE-CRYSTAL CLEAN, LLC  
1280 NE 45<sup>TH</sup> STREET  
POMPANO BEACH, FL 33004

Offerer Phone: (877)938-7948

**Offerer EPA ID**

ILR000130062

**Offerer State ID**

**Transporter 1 Company Name**

HERITAGE-CRYSTAL CLEAN, LLC

**Transp 1 EPA ID**

ILR000130062

**Transp 1 Phone**

(877) 938-7948

**Transporter 2 Company Name**

CSX TRANSPORTATION C/O TRANSFLO  
TERMINAL SERVICES

**Transp 2 EPA ID**

FLD006921340

**Transp 2 Phone**

(800)232-0144

**Receiver**

HERITAGE-CRYSTAL CLEAN, LLC  
3970 W 10<sup>th</sup> Street  
INDIANAPOLIS, IN 46222

**Facility EPA ID**

INR000006536

**Facility Phone**

(877) 938-7948

**24Hr Emergency**

1-800-424-9300, "1"

**Waste Shipping Description and DOT Description (as applicable)**

	Container No.	Total Qty	Unit	Wt/vol
<b>A</b> NON-DOT/RCRA REGULATED (USED OIL)				
<b>B</b>				
<b>C</b>				
<b>D</b>				

**Special Handling Instructions, Additional Information and Handling Codes (as Applicable)**

**OFFERER'S CERTIFICATION:** This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and is in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Printed/Typed Name \_\_\_\_\_

Signature \_\_\_\_\_ Date \_\_\_\_\_

**Transporter 1 Acknowledgement of Receipt Materials**

Printed/Typed Name \_\_\_\_\_

Signature \_\_\_\_\_ Date \_\_\_\_\_

**Additional Description / Discrepancies**

**Receiver:** Certification of receipt of waste materials covered by this bill of lading.

Printed/Typed Name \_\_\_\_\_

Signature \_\_\_\_\_ Date \_\_\_\_\_



## Safety Data Sheet

Material Name: SAFETY-KLEEN PREMIUM SOLVENT (VIRGIN AND RECYCLED)

SDS ID: GHS 82658

### \*\*\* Section 1 - Identification \*\*\*

**Product Identifier**

SAFETY-KLEEN PREMIUM SOLVENT (VIRGIN AND RECYCLED)

**Product Code**

None.

**Synonyms**

Safety-Kleen Premium Gold Solvent; Safety-Kleen Continued Use Product Solvent (CUP); High Flash Degreasing Solvent; Parts Washer Solvent; Petroleum Distillates; Petroleum Naphtha; Naphtha, Solvent; Mineral Spirits

**Recommended Use**

Cleaning and degreasing metal parts. If this product is used in combination with other products, refer to the Safety Data Sheets for those products.

**Restrictions on Use**

None known.

**Manufacturer Information**

Safety-Kleen Systems, Inc.  
2600 North Central Expressway  
Suite 400  
Richardson, TX 75080  
www.safety-kleen.com

Phone: 1-800-669-5740

Emergency # 1-800-468-1760

**Issue Date**

September 2, 2014

**Supersedes Issue Date**

November 8, 2012

**Original Issue Date**

January 26, 1995

### \*\*\* Section 2 - Hazard(s) Identification \*\*\*

**Classification in Accordance with 29 CFR 1910.1200.**

Flammable Liquids, Category 4

Specific Target Organ Toxicity - Single Exposure, Category 3 (central nervous system)

Aspiration Hazard, Category 1

**GHS LABEL ELEMENTS****Symbol(s)****Signal Word**

DANGER!

**Hazard Statement(s)**

Combustible liquid

May cause drowsiness and dizziness

May be fatal if swallowed and enters airways

# Safety Data Sheet

Material Name: SAFETY-KLEEN PREMIUM SOLVENT (VIRGIN AND RECYCLED)

SDS ID: GHS 82658

## Precautionary Statement(s)

### Prevention

Keep away from flames and hot surfaces. - No smoking. Wear protective gloves and eye/face protection. Avoid breathing vapor or mist. Use only outdoors or in a well-ventilated area.

### Response

In case of fire: Use Class B/C or Class A/B/C fire extinguisher, carbon dioxide, regular foam, dry chemical, water spray, or water fog for extinction. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting.

### Storage

Store in a well-ventilated place. Keep container tightly closed. Keep cool.

### Disposal

Dispose of in accordance with all applicable federal, state and local regulations.

### Hazard(s) Not Otherwise Classified

None known.

## \*\*\* Section 3 - Composition / Information on Ingredients \*\*\*

CAS	Component	Percent
64742-47-8	Distillates (petroleum), hydrotreated light	100

## \*\*\* Section 4 - First Aid Measures \*\*\*

### Description of Necessary Measures

#### Inhalation

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

#### Skin

IF ON SKIN: Wash with plenty of soap and water. Remove contaminated clothing and wash before reuse. Get medical attention if irritation develops or persists.

#### Eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops or persists.

#### Ingestion

IF SWALLOWED: Aspiration hazard. Do NOT induce vomiting. If vomiting occurs, keep head lower than hips to help prevent aspiration. Call a poison control center or doctor immediately for treatment advice.

### Most Important Symptoms/Effects

#### Acute

Central nervous system depression

#### Delayed

Central nervous system damage

### Indication of Immediate Medical Attention and Special Treatment Needed, If Needed

IF exposed: Call a POISON CENTER or doctor/physician. Treat symptomatically and supportively. Treatment may vary with condition of victim and specifics of incident. Call 1-800-468-1760 for additional information.

## \*\*\* Section 5 - Fire-Fighting Measures \*\*\*

### Suitable Extinguishing Media

Class B/C or Class A/B/C fire extinguisher, carbon dioxide, regular foam, regular dry chemical, water spray, water fog.

## Safety Data Sheet

Material Name: SAFETY-KLEEN PREMIUM SOLVENT (VIRGIN AND RECYCLED)

SDS ID: GHS 82658

### Unsuitable Extinguishing Media

Do not use high-pressure water streams.

### Specific Hazards Arising from the Chemical

Combustible liquid and vapor. The vapor is heavier than air. Vapors or gases may ignite at distant ignition sources and flash back. Run-off to sewer may create a fire hazard. Heated containers may rupture or be thrown into the air. Empty containers may retain product residue including flammable/explosive vapors. Product may be sensitive to static discharge, which could result in fire or explosion.

### Hazardous Combustion Products

Decomposition and combustion materials may be toxic - Burning may produce carbon monoxide and unidentified organic compounds.

### Special Protective Equipment and Precautions for Firefighters

A positive-pressure, self-contained breathing apparatus (SCBA) and full-body protective equipment are required for fire emergencies.

### Fire Fighting Measures

Keep away from sources of ignition - No smoking. Keep unnecessary people away, isolate hazard area and deny entry. Move container from fire area if it can be done without risk. Cool containers with water spray until well after the fire is out. Fight fire from maximum distance or use unmanned hose holders or monitor nozzles. For massive fire, use unmanned hose holders or monitor nozzles; if this is impossible withdraw from area and let fire burn. Withdraw immediately in case of rising sound from venting safety device or any discoloration of tanks due to fire. Stay away from the ends of tanks. For tank, rail car or tank truck, evacuation radius: 800 meters (1/2 mile). Stay upwind and keep out of low areas. Dike for later disposal.

NFPA Ratings: Health: 1 Fire: 2 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

## \*\*\* Section 6 - Accidental Release Measures \*\*\*

### Personal Precautions, Protective Equipment and Emergency Procedures

Wear personal protective clothing and equipment. See Section 8 – Exposure Controls/Personal Protection. Avoid release to the environment.

### Methods and Materials for Containment and Clean Up

Remove all ignition sources. Do not touch or walk through spilled product. Stop leak if you can do it without risk. Wear protective equipment and provide engineering controls as specified in Section 8 – Exposure Controls/Personal Protection. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Ventilate area and avoid breathing vapor or mist. A vapor suppressing foam may be used to reduce vapors. Contain spill away from surface water and sewers. Contain spill as a liquid for possible recovery, or sorb with compatible sorbent material and shovel with a clean, sparkproof tool into a sealable container for disposal. Additionally, for large spills: Water spray may reduce vapor, but may not prevent ignition in closed spaces. Dike far ahead of liquid spill for collection and later disposal.

There may be specific regulatory reporting requirements associated with spills, leaks, or releases of this product. Also see Section 15 – Regulatory Information.

## \*\*\* Section 7 - Handling and Storage \*\*\*

### Precautions for Safe Handling

Keep away from heat, sparks, or flame. Where flammable mixtures may be present, equipment safe for such locations should be used. When transferring product, trucks and tank cars should be grounded and bonded. Do not breathe vapor or mist.

Use in a well-ventilated area. Avoid contact with eyes, skin, clothing, and shoes. Do not smoke while using this product.

### Conditions for Safe Storage, Including Any Incompatibilities

Keep containers away from heat, flame, sparks, static electricity, or other sources of ignition. Keep container tightly closed. Keep cool. Do not pressurize, cut, weld, braze, solder, drill, or grind containers. Empty product containers may retain product residue and can be dangerous. Store in a well-ventilated place. See Section 14 – Transportation Information for Packing Group information.

## Safety Data Sheet

Material Name: SAFETY-KLEEN PREMIUM SOLVENT (VIRGIN AND RECYCLED)

SDS ID: GHS 82658

### Incompatibilities

Strong oxidizing materials.

## \*\*\* Section 8 - Exposure Controls / Personal Protection \*\*\*

### Component Exposure Limits

Distillates (petroleum), hydrotreated light (64742-47-8)

ACGIH: 100 ppm TWA (related to Stoddard solvent)

OSHA Final: 500 ppm TWA; 2900 mg/m<sup>3</sup> TWA (related to Stoddard solvent)

OSHA Vacated: 100 ppm TWA; 525 mg/m<sup>3</sup> TWA (related to Stoddard solvent)

NIOSH: 350 mg/m<sup>3</sup> TWA (related to Stoddard solvent)

1800 mg/m<sup>3</sup> Ceiling (15 min, related to Stoddard solvent)

### Appropriate Engineering Controls

Provide general ventilation needed to maintain concentration of vapor or mist below applicable exposure limits. Where adequate general ventilation is unavailable, use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below applicable exposure limits. Where explosive mixtures may be present, equipment safe for such locations should be used.

### Individual Protective Measures, such as Personal Protective Equipment

Personal protective equipment should be selected based upon the conditions under which this material is used. A hazard assessment of the work area for PPE requirements should be conducted by a qualified professional pursuant to regulatory requirements. The following PPE should be considered the minimum required: safety glasses, gloves, lab coat or apron.

### Eyes/Face Protection

Safety glasses with side shields should be worn at a minimum. Additional protection such as goggles, face shields, or respirators may be needed depending upon anticipated use and concentrations of mists or vapors. Provide an emergency eye wash fountain and quick drench shower in the immediate work area. Contact lens use is not recommended.

### Skin Protection

Where skin contact is likely, wear neoprene, nitrile, or equivalent protective gloves; use of natural rubber or equivalent gloves is not recommended. To avoid prolonged or repeated contact with products where spills and splashes are likely, wear appropriate chemical-resistant faceshield, boots, apron, coveralls, long sleeve shirts, or other protective clothing.

### Respiratory Protection

Use NIOSH-certified P- or R- series particulate filter and organic vapor cartridges when concentration of vapor or mist exceeds applicable exposure limits. Protection provided by air purifying respirators is limited. Do not use N-rated respirators. Selection and use of respiratory protective equipment should be in accordance in the USA with OSHA General Industry Standard 29 CFR 1910.134; or in Canada with CSA Standard Z94.4.

## Safety Data Sheet

Material Name: SAFETY-KLEEN PREMIUM SOLVENT (VIRGIN AND RECYCLED)

SDS ID: GHS 82658

### \*\*\* Section 9 - Physical & Chemical Properties \*\*\*

<b>Appearance/Odor :</b> Liquid, clear, colorless to pale yellow Mild hydrocarbon odor	<b>pH:</b> Not applicable
<b>Boiling Point:</b> 350°F (177°C) (initial)	<b>Odor Threshold:</b> 30 ppm (based on Stoddard Solvent)
<b>Solubility (H2O):</b> Insoluble.	<b>Melting Point:</b> -45°F (-43°C) (maximum)
<b>Density:</b> 6.4 to 6.7 LB/US gal (770 to 800 g/l)	<b>Specific Gravity:</b> 0.77 to 0.82 at 60°F (15.6°C) (water = 1)
<b>Evaporation Rate:</b> <0.1 (butyl acetate = 1)	<b>Octanol/H2O Coeff.:</b> Not available
<b>LFL:</b> 0.7 VOL% (minimum)	<b>Auto Ignition Temperature:</b> 480°F (249°C) (minimum)
<b>UFL:</b> 5 VOL% (maximum)	<b>Flash Point:</b> 148°F (64°C) (minimum)
<b>Vapor Pressure:</b> 0.2 mm Hg at 68°F (20°C); 0.6 mm Hg at 100°F (37°C)	<b>Viscosity:</b> Not available
	<b>Vapor Density:</b> 5 (air = 1) (approximately)

#### Other Property Information

No information is available.

### \*\*\* Section 10 - Stability & Reactivity \*\*\*

#### Reactivity

No reactivity hazard is expected.

#### Chemical Stability

Stable under normal temperatures and pressures.

#### Possibility of Hazardous Reactions

Will not polymerize under normal temperature and pressure conditions.

#### Conditions To Avoid

Avoid heat, sparks, flames, and other sources of ignition Avoid contact with incompatible materials.

#### Incompatible Materials

Avoid acids, alkalis, oxidizing agents, reducing agents, or reactive halogens.

#### Hazardous Decomposition Products

None under normal temperatures and pressures. See also Section 5: Hazardous Combustion Products.

### \*\*\* Section 11 - Toxicological Information \*\*\*

#### Toxicity Data and Information

##### Component Analysis - LD50/LC50

Distillates (petroleum), hydrotreated light (64742-47-8)

Inhalation LC50 Rat >5.2 mg/L 4 h; Oral LD50 Rat >5000 mg/kg; Dermal LD50 Rabbit >2000 mg/kg

##### Information on Likely Routes of Exposure

###### Inhalation

May cause irritation, nausea, loss of appetite, headache, drowsiness, dizziness, disorientation, tremors, lung damage (from aspiration), convulsions, and coma.

###### Ingestion

May cause headache, drowsiness, dizziness, loss of coordination, and aspiration hazard.

###### Skin Contact

May cause irritation of the skin.

###### Eye Contact

No information on significant adverse effects.

## Safety Data Sheet

Material Name: SAFETY-KLEEN PREMIUM SOLVENT (VIRGIN AND RECYCLED)

SDS ID: GHS 82658

### Immediate Effects

Central nervous system depression, lung damage (from aspiration), respiratory tract irritation, skin irritation.

### Delayed Effects

Central nervous system damage, respiratory system damage.

### Irritation/Corrosivity

Respiratory tract irritation, skin irritation.

### Respiratory Sensitization

No information available for the product.

### Skin Sensitization

No information available for the product.

### Carcinogenicity

No carcinogenicity data available for this product.

### Component Carcinogenicity

None of this product's components are listed by ACGIH, IARC, OSHA, NIOSH, or NTP.

### Germ Cell Mutagenicity

Based on best current information, there is no known mutagenicity associated with this product.

### Teratogenicity

No information available for the product.

### Reproductive Effects

No epidemiological data is available for this product.

### Specific Target Organ Effects - Single Exposure

Central nervous system.

### Specific Target Organ Effects - Repeated Exposure

Central nervous system.

### Aspiration Hazard

Lung aspiration hazard if swallowed.

### Medical Conditions Aggravated by Exposure

Individuals with pre-existing respiratory tract (nose, throat, and lungs), central nervous system, kidneys, and eye and/or skin disorders may have increased susceptibility to the effects of exposure.

## \* \* \* Section 12 - Ecological Information \* \* \*

### Ecotoxicity

According to the California Code of Regulations, a toxicity to aquatic life, specifically fish, is determined using an acute 96 hour bioassay. A material is non-hazardous if the LC<sub>50</sub> is >500 mg/L. This product passed the bioassay and is considered non-hazardous.

### Persistence and Degradability

This material is believed not to biodegrade.

### Bioaccumulation Potential

This material is believed not to bioaccumulate.

### Mobility in Soil

Expected to have high mobility in soil.

### Other Adverse Effects

No additional information is available.

## \* \* \* Section 13 - Disposal Considerations \* \* \*

### Disposal Methods

Not regulated. Based on available data, this information applies to the product as supplied to the user. Processing, use, or contamination by the user may change the waste code applicable to the disposal of this product.



## Safety Data Sheet

Material Name: SAFETY-KLEEN PREMIUM SOLVENT (VIRGIN AND RECYCLED)

SDS ID: GHS 82658

Dispose in accordance with federal, state, provincial, and local regulations. Regulations may also apply to empty containers. The responsibility for proper waste disposal lies with the owner of the waste. Contact Safety-Kleen regarding proper recycling or disposal.

### \*\*\* Section 14 - Transport Information \*\*\*

#### Emergency Response Guide Number

128: Reference. *North American Emergency Response Guide Book*

#### Transportation Regulations

##### DOT Non-Bulk Packages (less than or equal to 119 gallons)

Not regulated.

**Shipping Name:** Cleaning compounds (Petroleum naphtha)(Not US DOT regulated)

##### Bulk Packages

**Shipping Name:** Combustible liquid, n.o.s. (petroleum naphtha)

**UN/NA #:** NA1993 **Hazard Class:** Combustible liquid **Packing Group:** III

**Required Placards:** Class 3, NA 1993

##### TDG Not regulated as dangerous goods.

### \*\*\* Section 15 - Regulatory Information \*\*\*

#### Volatile Organic Compounds (As Regulated)

100 WT%; 6.4 to 6.7 LB/US gal; 770 to 800 g/l

As per 40 CFR Part 51.100(s).

VOC Vapor Pressure: <1.0 mmHg @ 20°C

Product may or may not be considered photochemically reactive (100% by weight).

Consult your state or local air district regulations for location specific information.

#### Federal Regulations

##### SARA 302/304

##### Component Analysis

Based on the ingredient(s) listed in SECTION 3, this product does not contain any "extremely hazardous substances" listed pursuant to Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) Section 302 or Section 304 as identified in 40 CFR Part 355, Appendix A and B.

##### SARA 311/312 Hazardous Categories

This product poses the following health hazards as defined in 40 CFR Part 370 and is subject to the requirements of sections 311 and 312 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA):

**Acute Health:** Yes **Chronic Health:** Yes **Fire:** Yes **Pressure:** No **Reactive:** No

##### SARA Section 313

##### Component Analysis

This product does not contain any "toxic" chemical subject to the requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR Part 372.

#### CERCLA

##### Component Analysis

Based on the ingredient(s) listed in SECTION 3, this product does not contain any "hazardous substance" listed under the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA) in 40 CFR Part 302, Table 302.4.

#### TSCA Inventory

All the components of this substance are listed on or are exempt from the TSCA inventory listing.

## Safety Data Sheet

Material Name: SAFETY-KLEEN PREMIUM SOLVENT (VIRGIN AND RECYCLED)

SDS ID: GHS 82658

### Component Analysis

Component	CAS #	TSCA
Distillates (petroleum), hydrotreated light	64742-47-8	Yes

### U.S. State Regulations

This product may contain a detectable amount of benzene CAS 71-43-2, p-dichlorobenzene CAS 106-46-7, ethylbenzene CAS 100-41-4, and naphthalene CAS 91-20-3. WARNING: These chemicals are known to the State of California to cause cancer.

This product may contain a detectable amount of benzene CAS 71-43-2 and toluene CAS 108-88-3. WARNING: These chemicals are known to the State of California to cause birth defects or other reproductive harm.

### Canadian Regulations

This product has been classified in accordance with the criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

### Component Analysis

Component	CAS #	CAN
Distillates (petroleum), hydrotreated light	64742-47-8	DSL

### Canadian WHMIS Information

B3 D2B

\* \* \* Section 16 - Other Information \* \* \*

### Revision Information

Reformat to OSHA HazCom 29 CFR 1910.1200 adoption of GHS Revision 3.

### Key/Legend

ACGIH - American Conference of Governmental Industrial Hygienists; ADR - European Road Transport; AU - Australia; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CAS - Chemical Abstracts Service; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CN - China; CPR - Controlled Products Regulations; DFG - Deutsche Forschungsgemeinschaft; DOT - Department of Transportation; DSL - Domestic Substances List; EEC - European Economic Community; EINECS - European Inventory of Existing Commercial Chemical Substances; EPA - Environmental Protection Agency; EU - European Union; F - Fahrenheit; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; ICAO - International Civil Aviation Organization; IDL - Ingredient Disclosure List; IMDG - International Maritime Dangerous Goods; JP - Japan; Kow - Octanol/water partition coefficient; KR - Korea; LEL - Lower Explosive Limit; LOLI - List Of Lists™ - ChemADVISOR's Regulatory Database; MAK - Maximum Concentration Value in the Workplace; MEL - Maximum Exposure Limits; NFPA - National Fire Protection Agency; NIOSH - National Institute for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; NTP - National Toxicology Program; NZ - New Zealand; OSHA - Occupational Safety and Health Administration; PH - Philippines; RCRA - Resource Conservation and Recovery Act; RID - European Rail Transport; RTECS - Registry of Toxic Effects of Chemical Substances®; SARA - Superfund Amendments and Reauthorization Act; STEL - Short-term Exposure Limit; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act; TWA - Time Weighted Average; UEL - Upper Explosive Limit; US - United States

### Disclaimer

User assumes all risks incident to the use of this product. To the best of our knowledge, the information contained herein is accurate. However, Safety-Kleen assumes no liability whatsoever for the accuracy or completeness of the information contained herein. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to the information or the product to which the information refers. The data contained on this sheet apply to the product as supplier to the user.

End of Sheet 82658