



Safety Data Sheet

Material Name: SAFETY-KLEEN RECYCLED 105 SOLVENT

SDS ID: 82310

*** Section 1 - Identification ***

Product Identifier

SAFETY-KLEEN RECYCLED 105 SOLVENT

Product Code

6614

Synonyms

Parts Washer Solvent, Petroleum Distillates, Mineral Spirits

Product Use

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

Restrictions on Use

AS OF JUNE, 2011: THIS PRODUCT IS ONLY FOR SALE AND USE IN PUERTO RICO. USE OF THIS SOLVENT ANYWHERE ELSE IS STRICTLY PROHIBITED.

Manufacturer Information

Safety-Kleen Systems, Inc.
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April 8, 1976

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

Classification in Accordance with 29 CFR 1910.1200.

Flammable Liquids, Category 3
Acute Toxicity (Inhalation), Category 3
Skin Corrosion / Irritation, Category 2
Eye Damage / Irritation, Category 2A
Carcinogenicity, Category 1B
Toxic to Reproduction, Category 2
Toxic to reproduction, Effects on or via lactation
Specific Target Organ Toxicity - Single Exposure, Category 3 (respiratory tract and central nervous system)
Aspiration Hazard, Category 1

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

DANGER!

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Hazard Statement(s)

- Flammable liquid and vapor
- Toxic if inhaled
- Causes skin irritation
- Causes serious eye irritation
- May cause cancer
- Suspected of damaging fertility or the unborn child
- May cause harm to breast-fed children.
- May cause respiratory irritation
- May cause drowsiness and dizziness
- May be fatal if swallowed and enters airways

Precautionary Statement(s)

Prevention

Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe vapor or mist. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/clothing and eye/face protection. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid contact during pregnancy/while nursing. Do not eat, drink, or smoke when using this product.

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. IF exposed or concerned: Get medical advice/attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting.

Storage

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

Disposal

Dispose in accordance with all applicable regulations.

Hazard(s) Not Otherwise Classified

None known.

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

CAS	Component	Percent
64742-47-8	Distillates (petroleum), hydrotreated light	99-100
127-18-4	Tetrachloroethylene	0-0.2

*** Section 4 - First Aid Measures ***

Description of Necessary Measures

Inhalation

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician.

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Skin

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

Eyes

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

Ingestion

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting. If spontaneous vomiting occurs, keep head below hips to avoid breathing the product into the lungs. Never give anything by mouth to an unconscious person.

Most Important Symptoms/Effects

Acute

Toxic if inhaled, respiratory tract irritation, skin irritation, eye irritation, central nervous system depression, lung damage (from aspiration)

Delayed

Cancer, reproductive effects.

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

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, dry chemical, water spray, or water fog.

Unsuitable Extinguishing Media

Do not use high-pressure water streams.

Specific Hazards Arising from the Chemical

Moderate fire hazard. Vapor/air mixtures are explosive above flash point. Vapors or gases may ignite at distant ignition sources and flash back. Runoff may create fire or explosion hazard.

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

Wear full protective fire fighting gear including self contained breathing apparatus (SCBA) for protection against possible exposure.

Fire Fighting Measures

Move container from fire area if it can be done without risk. Fight fire from maximum distance or use unmanned hose holders or monitor nozzles. Cool containers with water spray until well after the fire is out. Withdraw immediately in case of rising sound from venting safety device or any discoloration of tanks due to fire. Keep storage containers cool with water spray.

* * * Section 6 - Accidental Release Measures * * *

Personal Precautions, Protective Equipment and Emergency Procedures

Wear personal protective clothing and equipment, see Section 8. Avoid release to the environment. Collect spillage.

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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 federal 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. Use clean, sparkproof tools and explosion-proof equipment. When transferring large volumes of 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 these products. Keep container tightly closed. Take precautionary measures against static discharge. Wash thoroughly after handling. Wear protective gloves/clothing and eye/face protection. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid contact during pregnancy/while nursing.

Conditions for Safe Storage, Including Any Incompatibilities

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

Incompatibilities

Avoid acids, alkalis, oxidizing materials, reducing agents, reactive metals, and halogens.

* * * 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/m³ TWA (related to Stoddard solvent)

OSHA Vacated: 100 ppm TWA; 525 mg/m³ TWA (related to Stoddard solvent)

NIOSH: 350 mg/m³ TWA (related to Stoddard solvent)
1800 mg/m³ Ceiling (15 min, related to Stoddard solvent)

Tetrachloroethylene (127-18-4)

ACGIH: 25 ppm TWA
100 ppm STEL

OSHA Final: 100 ppm TWA
200 ppm Ceiling

OSHA Vacated: 25 ppm TWA; 170 mg/m³ TWA

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.

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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 should be conducted in accordance 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 chemical impervious protective gloves; use of natural rubber (latex), polyvinyl chloride (PVC) or equivalent gloves is not recommended.

To avoid prolonged or repeated contact with product 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.

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

Appearance/Odor : Liquid, clear and green, mild hydrocarbon odor.	pH: Not applicable.
Boiling Point: 310°F (155°C) (initial)	Odor Threshold: 30 ppm (based on Stoddard Solvent)
Solubility (H2O): Insoluble.	Melting Point: -45°F (-43°C) (maximum)
Density: 6.4 to 6.7 LB/US gal (770 to 800 g/l)	Specific Gravity: 0.77 to 0.80 at 60°F (15.6°C) (water = 1)
Evaporation Rate: 0.1 (butyl acetate = 1) (based on Stoddard Solvent)	Octanol/H2O Coeff.: Not available.
LFL: 0.7 VOL% (minimum)	Auto Ignition Temperature: 410°F (210°C) (minimum)
UFL: 5 VOL% (maximum)	Flash Point: 105°F (40°C)
Vapor Pressure: 0.4 mm Hg at 68°F (20°C) (approximately) 1.0 mm Hg at 100°F (37°C) (approximately)	Viscosity: Not available

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

Polymerization is not known to occur under normal temperature and pressures. Not reactive with water.

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Conditions To Avoid

Avoid heat sparks or flame. Avoid contact with incompatible materials.

Incompatible Materials

Avoid acids, alkalis, oxidizing materials, reducing agents, reactive metals, and 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)

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

Tetrachloroethylene (127-18-4)

Dermal LD50 Mouse 2800 mg/kg; Inhalation LC50 Rat 27.8 mg/L 4 h; Oral LD50 Rat 2629 mg/kg

Information on Likely Routes of Exposure

Inhalation

Toxic if inhaled. May cause irritation, nausea, vomiting, headache, drowsiness, dizziness, and loss of coordination.

Ingestion

Aspiration hazard. May cause nausea, vomiting, and diarrhea.

Skin Contact

May cause irritation.

Eye Contact

May cause irritation.

Immediate Effects

Toxic if inhaled, respiratory tract irritation, skin irritation, eye irritation, central nervous system depression, lung damage (from aspiration)

Delayed Effects

Cancer, reproductive effects.

Irritation/Corrosivity

Respiratory tract irritation, skin irritation, eye irritation.

Respiratory Sensitization

No information available for the product.

Skin Sensitization

No information available for the product.

Carcinogenicity

Component Carcinogenicity

Tetrachloroethylene (127-18-4)

ACGIH: A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans

OSHA: Present (select carcinogen)

NIOSH: potential occupational carcinogen

NTP: Reasonably Anticipated To Be A Human Carcinogen (Suspect Carcinogen)

IARC: Monograph 106 [in preparation]; Monograph 63 [1995]; Supplement 7 [1987] (Group 2A (probably carcinogenic to humans))

Germ Cell Mutagenicity

No information available for the product.

Teratogenicity

Tetrachloroethylene has demonstrated animal effects of teratogenicity.

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Reproductive Effects

Available data characterizes this substance as a reproductive hazard.

Also see SECTION 15: CALIFORNIA.

Specific Target Organ Effects - Single Exposure

Respiratory system, central nervous system

Specific Target Organ Effects - Repeated Exposure

No information is available.

Aspiration Hazard

Yes

Medical Conditions Aggravated by Exposure

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

* * * Section 12 - Ecological Information * * *

Ecotoxicity

Toxic to aquatic life with long lasting effects.

Component Analysis - Ecotoxicity - Aquatic Toxicity

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

Duration/Test/Species	Concentration/Conditions	Notes
96 Hr LC50 Pimephales promelas	45 mg/L [flow-through]	
96 Hr LC50 Lepomis macrochirus	2.2 mg/L [static]	
96 Hr LC50 Oncorhynchus mykiss	2.4 mg/L [static]	

Tetrachloroethylene (127-18-4)

Duration/Test/Species	Concentration/Conditions	Notes
96 Hr LC50 Pimephales promelas	12.4 - 14.4 mg/L [flow-through]	
96 Hr LC50 Pimephales promelas	8.6 - 13.5 mg/L [static]	
96 Hr LC50 Lepomis macrochirus	11.0 - 15.0 mg/L [static]	
96 Hr LC50 Oncorhynchus mykiss	4.73 - 5.27 mg/L [flow-through]	
96 Hr EC50 Pseudokirchneriella subcapitata	>500 mg/L	
48 Hr EC50 Daphnia magna	6.1 - 9.0 mg/L [Static]	

Persistence and Degradability

No information available for the product.

Bioaccumulation Potential

No information available for the product.

Mobility in Soil

No information available for the product.

Other Adverse Effects

No additional information is available.

* * * Section 13 - Disposal Considerations * * *

Disposal Methods

If discarded, this product is considered RCRA D001, D018, D039 and D040 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.

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.

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*** Section 14 - Transport Information ***

Emergency Response Guide Number

128 Reference. *North American Emergency Response Guidebook*

Transportation Regulations

DOT NON-BULK PACKAGES (≤119 Gallons)(Shipments via vessel and aircraft must use bulk shipping description.):

Shipping Name: Cleaning compounds (petroleum naphtha)(Not US DOT Regulated)

BULK PACKAGES (≥120 Gallons):

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

UN/NA: NA1993 Hazard Class: Combustible liquid Packing Group: III Required Placards: Class 3, NA1993

TDG SMALL MEANS OF CONTAINMENT (Shipments via aircraft must use large means of containment shipping description):

Shipping Name: CLEANING COMPOUNDS (petroleum naphtha)(Not TDG regulated)

LARGE MEANS OF CONTAINMENT

Shipping Name: PETROLEUM DISTILLATES, N.O.S. (petroleum naphtha)

UN/NA #: UN1268 Hazard Class: 3 Packing Group: III

Required Placards: Class 3, UN1268

*** Section 15 - Regulatory Information ***

Volatile Organic Compounds (As Regulated)

100 WT%; 6.4 – 6.7 LB/US gal; 770-800 g/L

As per 40 CFR Part 51.100(s)

Photochemically Reactive (<10%)

VOC Vapor Pressure Approx 0.4 mmHg @20°C

Consult 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

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

SARA Section 313

Component Analysis

This product contains a "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.

Tetrachloroethylene (127-18-4)

0.1 % de minimis concentration

CERCLA

Component Analysis

Based on the ingredient(s) listed in SECTION 3, this product contains the following "hazardous substance" listed under the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA) in 40 CFR Part 302, Table 302.4 with the following reportable quantities (RQ):

Tetrachloroethylene (127-18-4)

100 lb final RQ; 45.4 kg final RQ

TSCA Inventory

All the components of this product are listed on, or are automatically included as "naturally occurring chemical substances"

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on, or are exempted from the requirement to be listed on, the TSCA Inventory.

Component Analysis

Component	CAS #	TSCA
Distillates (petroleum), hydrotreated light	64742-47-8	Yes
Tetrachloroethylene	127-18-4	Yes

U.S. State Regulations

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	MA	MN	NJ	PA	CA
Tetrachloroethylene	127-18-4	Yes	Yes	Yes	Yes	Yes

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Canadian Regulations

THIS PRODUCT IS ONLY FOR SALE AND USE IN PUERTO RICO. USE OF THIS SOLVENT ANYWHERE ELSE IS STRICTLY PROHIBITED.

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

Component Analysis

Component	CAS #	CAN
Distillates (petroleum), hydrotreated light	64742-47-8	DSL
Tetrachloroethylene	127-18-4	DSL

Canadian WHMIS Information

B3, D2A, D2B.

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

Revision Information

2018-07-30: Regulatory review and update.

Key/Legend

ACGIH - American Conference of Governmental Industrial Hygienists; 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; 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; 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; 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

Other Information

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

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

This product is United States Department of Agriculture (USDA) approved, ETL classified and Factory Mutual (FM) approved.

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Disclaimer

User assumes all risks incident to the use of this (these) product(s). 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 express or implied, of merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to information or the product to which information refers. The data contained on this sheet apply to the product(s) as supplied to the user.