

Safety Kleen II

MSDS# SCM-816

Date

6 Total Pages

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Safety Kleen II

Manufactured by: Diversitech

6650 Sugarloaf Parkway, Duluth, GA 30097

Phone: 800-995-2222 (Product Information)

Phone: 800-255-3924 (CHEM-TEL, Chemical Emergencies Only)

Revised: 05/24/2012

Prepared By: A. Jernigan

2. HAZARDS IDENTIFICATION

Emergency Overview

May cause respiratory tract irritation, skin irritation, eye irritation, central nervous system depression, allergic reactions, cancer hazard (in humans).

May decompose on contact with air, light, moisture, heat or storage and use above room temperature.

Releases toxic, corrosive, flammable or explosive gases.

Potential Health Effects

Inhalation: Irritation, changes in blood pressure, nausea, vomiting, stomach pain, difficulty breathing, irregular heartbeat, headache, drowsiness, dizziness, disorientation, mood swing, tremors, loss of coordination, visual disturbances, bluish skin color, lung congestion, kidney damage, liver damage, unconsciousness, coma. May also cause loss of appetite, weight loss, blood disorders, brain damage, cancer in long term exposure.

Eye contact: Irritation (possibly severe), blurred vision. May also cause eye damage in long term exposure.

Skin contact: Irritation, allergic reactions. May also cause nausea, loss of appetite, weight loss, difficulty breathing, headache, drowsiness, dizziness, joint pain, loss of coordination, visual disturbances, paralysis in long term exposure.

Ingestion: Irritation, changes in blood pressure, nausea, vomiting, stomach pain, difficulty breathing, irregular heartbeat, headache, drowsiness, dizziness, disorientation, mood swing, tremors, loss of coordination, visual disturbances, bluish skin color, lung congestion, kidney damage, liver damage, unconsciousness, coma. May also cause loss of appetite, weight loss, blood disorders, brain damage, cancer.

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3. HAZARDOUS INGREDIENTS INFORMATION

INGREDIENT	CAS NO	EINECS NO	% by Weight	Hazard	Risk Phrases
Trichloroethylene	79-01-6	201-167-4	30-40	T	R 23/24/25; R36/38; R39; R45; R52/53; R67; R68
Hydrotreated light distillate (petroleum)	64742-47-8	265-149-8	60-80	Xn	R23; R64; R62

4. FIRST AID MEASURES

Eye contact: Immediately flush eyes with plenty of water for at least 15 minutes. Then get medical attention immediately.

Skin contact: Wash skin with soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention, if needed. Thoroughly clean and dry contaminated clothing and shoes before reuse.

Ingestion: If vomiting occurs, keep head lower than hips to help prevent aspiration. If person is unconscious, turn head to side. Get medical attention immediately.

Inhalation: If adverse effects occur, remove to uncontaminated area. Give artificial respiration if not breathing. If breathing is difficult, oxygen should be administered by qualified personnel. Get immediate medical attention.

Note to physicians : For ingestion, consider gastric lavage. Consider oxygen.

5. FIRE AND EXPLOSION HAZARD DATA

Suitable Extinguishing Media : Carbon dioxide, regular dry chemical.

Large fires: Use regular foam or flood with fine water spray.

Specific hazards: Slight fire hazard.

Fire fighting: Cool containers with water spray until well after the fire is out.

Unusual Fire and Explosion Hazards: During a fire, smoke may contain the original material in addition to combustion by-products.

6. Accidental Release Measures

Air release: Reduce vapors with water spray. Collect runoff for disposal as potential hazard waste.

Soil release : Dig holding area such as lagoon, pond or pit for containment. Dike for later disposal. Absorb with sand or other non-combustible material.

Water release : Subject to California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65). Keep out of water supplies and sewers. Absorb with activated carbon. Remove trapped material with suction hoses. Collect spilled material using mechanical equipment.

Occupational spill/release: Avoid heat, flames, sparks and other sources of ignition. Stop leak if possible without personal risk. Small liquid spills: Absorb with sand or other noncombustible material.

Large spills: Dike for later disposal. Keep unnecessary people away, isolate hazard area and deny entry. Remove sources of ignition. Notify local Emergency Planning Committee and State Emergency Response Commission for release greater than or equal to RQ (U.S. SARA Section 304) If release occurs in the U.S. and is reportable under CERCLA Section 103, notify the National Response Center at (800)424-8802 (USA) or (202)426-2675

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7. HANDLING AND STORAGE:

Eliminate ignition sources. Avoid contact with skin and eyes. Avoid breathing vapors. Keep containers closed when not in use. Store in a dry, cool, well-ventilated area. Vapors of this material are heavier than air and may collect in low-lying areas such as pits, degreasers, storage tanks or other confined areas. Do not enter areas where vapors of this product are suspected unless special breathing apparatus is used and an observer is present for assistance. Handle in accordance with good industrial hygiene and safety practices.

Empty containers may retain residue. All containers should be disposed of in an environmentally safe manner, and in accordance with all governmental regulations.

Keep this and all chemicals out of the reach of children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits (Trichloroethylene)

ACGIH : 10 ppm TWA; 25 ppm STEL

OSHA (final) : 100 ppm TWA; 200 ppm Ceiling

OSHA (vacated) : 200 ppm STEL; 1080 mg/m³ STEL; 50 ppm TWA; 270 mg/m³ TWA IDLH 1000 ppm

Engineering measures/Ventilation

Respiratory Protection (Specify Type): Use in a well-ventilated area. If mist or vapor is being generated and exceeds the TLV, a respiratory program meeting OSHA 1910.134 and ANSI Z88.2 requirements must be followed.

Ventilation: Local exhaust is recommended when used in enclosed areas.

Protective Gloves: Neoprene or other materials may be used if there is documented evidence of compatibility.

Eye protection: Safety glasses (ANSI Z87.1) or approved equivalent as necessary to minimize eye contact hazards.

Other Protective Clothing: Neoprene aprons, overshoes, oversleeves or other impervious clothing as necessary to minimize exposure.

Work Hygienic Practices: Use proper industrial hygiene practices to minimize hazardous exposure.

Wash hands after handling this material, and before eating or smoking.

9. PHYSICAL/CHEMICAL CHARACTERISTICS

Appearance: Clear colorless liquid

Odor: Solvent odor

Odor threshold: n.a.

pH: Not applicable

Melting point/freezing point: n.a.

Initial boiling point and boiling range: 130-160°C (3265-320°F)

Flash point: 105C (221°)

Evaporation rate:

Flammability limits %:

Vapor pressure: 4.6mm Hg @20°C

Vapor density (Air = 1): 19

Relative density: 0.886

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Solubility: Insoluble in water
Partition Coefficient: n-octanol/water: n.a.
Auto-ignition temperature: n.a.
Decomposition temperature: n.a.
Viscosity: n.a.
Explosive properties: Not applicable
Oxidizing properties: Not applicable
 n.a = not available

10. STABILITY and REACTIVITY DATA

Stability : May decompose on contact with air, light, moisture, heat or storage and use above room temperature. Releases toxic, corrosive, flammable or explosive gases.

Conditions to avoid : Avoid heat, flames, sparks and other sources of ignition. Containers may rupture or explode if exposed to heat.

Materials to avoid : Bases, metals, combustible materials, oxidizing materials.

Hazardous decomposition products: Thermal decomposition products: phosgene, halogenated compounds, oxides of carbon

11. TOXICOLOGICAL INFORMATION

The components of this material have been reviewed in various sources and the following selected endpoints are published:

TRICHLOROETHYLENE (79-01-6):

Inhalation LC50 Rat: 8000 ppm/4H; Inhalation LC50 Rat: 26300 ppm/1H;

Oral LD50 Rat: 4290 mg/kg; Dermal LD50 Rabbit: >20 g/kg

Acute Toxicity Level: Moderately toxic: ingestion

Slightly toxic: inhalation

Non toxic: dermal absorption

Carcinogenicity

ACGIH: A2 – Suspected Human Carcinogen

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

DFG : Category 1 (causes cancer in man)

Reasonably anticipated to be a Human Carcinogen

Local Effects

Irritant: inhalation, skin, eye

Target Organs: Immune system (sensitizer), central nervous system

Medical Conditions Aggravated by Exposure: Heart problems

Additional Data: May cross the placenta. Stimulants such as epinephrine may induce ventricular fibrillation.

12. ECOLOGICAL INFORMATION

TRICHLOROETHYLENE (79-01-6):

Aquatic

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Fish, 96 Hr LC50 Pimephales promelas: 31.4 – 71.8 mg/L [flow-through];

96 Hr LC50 Lepomis acrochirus: 39 – 54 mg/L [static]

Algae:

96 Hr EC50 Desmodesmus subspicatus: 450 mg/L;

96 Hr EC50 Pseudokirchneriella subcapitata: 175 mg/L

Invertebrate:

48 Hr EC50 Daphnia magna: 2.2 mg/L

13. DISPOSAL CONSIDERATIONS

Waste from residues/ unused products: Dispose in accordance with all applicable regulations. Subject to disposal regulations: U.S. EPA 40 CFR 262. Hazardous Waste Number(s): U228.

Hazardous Waste Number(s): D040.

Dispose of in accordance with U.S. EPA 40 CFR 262 for concentrations at or above the Regulatory level.

Regulatory level- 0.5 mg/L.

Component Waste Numbers: RCRA: Waste Number U228 0.5 mg/L regulatory level

14. TRANSPORTATION INFORMATION

UN Number: 1710

UN Proper Shipping Name: Trichloroethylene solution

Transport Hazard Class(es): 6.1

Packing group: III

Environmental Hazards: Not a Marine Pollutant

ADR/RID Transport Information UN1710

ADR/RID Class 6.1

ADR/RID Packing Group III

IMDG Hazard Class None 6.1

IMDG Packing Group III

ADNR Class 6.1

ADNR Item UN1710

IATA Hazard Class 6.1

IATA Packing Group III

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable

REGULATORY INFORMATION

Risk Phrases:

R22/23/24: Toxic by inhalation, in contact with skin and if swallowed

R36/38: Irritating to eyes and skin

R39: Danger of very serious irreversible effects

R45: May cause cancer

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

R62: If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label

R64: May cause harm to breast-fed babies

R67: Vapors may cause drowsiness and dizziness

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R68: Possible risk of irreversible effects

TSCA: All ingredients are TSCA approved.

SARA TITLE III Reporting Requirements:

Section 302: EHS reporting not required

Section 304: Hazardous releases reporting not required

Section 311: Community Right To Know reporting is required if the inventory is above the Threshold Planning Quantity.

Section 312: R-T-K Inventory data reporting is not required.

Section 313: Emissions and release reporting may be required for users of this product within the manufacturing sector. This does not apply to service companies.

OSHA Hazards Carcinogen, Irritant, Mutagen

SARA 311/312 Hazards

Acute Health Hazard, Chronic Health Hazard

Massachusetts Right To Know Components: Trichloroethylene CAS-No.79-01-6

Pennsylvania Right To Know Components: Trichloroethylene CAS-No.79-01-6

New Jersey Right To Know Components: Trichloroethylene CAS-No.79-01-6

California Prop. 65 Components: WARNING! This product contains a chemical known to the State of California to cause cancer.

16. ADDITIONAL INFORMATION

HAZARD RATINGS

HMISIII

Health 2; Fire 1 ; Reactivity 0

0=Minimal

1=Slight

2 =Moderate

3=High

4=Extreme

This information is, to the best of our knowledge and belief, accurate and reliable as of the date completed. However no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the completeness and suitability of such information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information, nor do we offer any warranty against patent infringement.