Safety Data Sheet

Material Name: SAFETY-KLEEN ULTRA KLEEN SPRAY EQUIPMENT SOLUTION **SDS ID: 820016**

* * * Section 1 - Identification * * *

Product Identifier

SAFETY-KLEEN ULTRA KLEEN SPRAY EQUIPMENT SOLUTION

Product Code

5110, 5111, 5112, 5113, 6827

Synonyms

None

Recommended Use

For cleaning coating equipment (e.g., spray guns); lacquer thinner. If this product is used in combination with other products, refer to the Safety Data Sheet for those products.

Restrictions on Use

THIS PRODUCT IS NOT FOR SALE OR USE IN THE STATE OF CALIFORNIA

Manufacturer Information

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Emergency # 1-800-468-1760

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

Classification in Accordance with 29 CFR 1910.1200.

Flammable Liquids, Category 2
Acute Toxicity (Inhalation), Category 3
Acute Toxicity (Oral), Category 4
Acute Toxicity (Dermal), Category 4
Skin Corrosion / Irritation, Category 2
Serious Eye Damage/Eye Irritation, Category 1
Germ Cell Mutagenicity, Category 1B
Carcinogenicity, Category 1B
Toxic to Reproduction, Category 1A
Toxic to reproduction, Effects on or via lactation
Specific Target Organ Toxicity - Single Exposure, Category 1 (central nervous system, nervous system, kidneys, respiratory system, body, and eyes)
Specific Target Organ Toxicity - Single Exposure, Category 2 (liver)
Specific Target Organ Toxicity - Single Exposure, Category 3 (central nervous system and respiratory tract)
Specific Target Organ Toxicity - Repeated Exposure, Category 1 (central nervous system, kidneys, nervous system, respiratory system, liver, and eyes)
Specific Target Organ Toxicity - Repeated Exposure, Category 2 (blood and spleen)
Aspiration Hazard, Category 1
Hazardous to the aquatic environment - acute hazard, Category 2
Hazardous to the aquatic environment - chronic hazard, Category 3

GHS LABEL ELEMENTS

Symbol(s)

Signal Word

DANGER!

Hazard Statement(s)

Highly flammable liquid and vapor
Toxic if inhaled
Harmful if swallowed or in contact with skin
Causes severe skin burns and eye damage
May cause genetic defects, cancer, and cause harm to breast –fed children
May damage fertility or the unborn child
Causes damage to central nervous system, nervous system, kidneys, respiratory system, body, and eyes
May cause damage to liver, respiratory irritation, and drowsiness and dizziness
Causes damage to central nervous system, kidneys, nervous system, respiratory system, liver, and eyes through prolonged or repeated exposure
May cause damage to blood and spleen through prolonged or repeated exposure
May be fatal if swallowed and enters airways
Toxic to aquatic life
Harmful to aquatic life with long lasting effects

Precautionary Statement(s)

Prevention

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

Response

In case of fire: Use carbon dioxide, alcohol resistant foam, regular dry chemical, water spray, and water fog for extinction. 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. Immediately call a POISON CENTER or doctor/physician. 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. Immediately call a POISON CENTER or doctor/physician. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting. Rinse mouth.

Storage

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

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
108-88-3	Toluene	15-65
67-64-1	Acetone	10-55
*MIXTURE	Acetate	0-40
64741-42-0	Naphtha, petroleum, full-range straight-run	0-20
**MIXTURE	Alcohols	0-20
***MIXTURE	Ketones	0-15
63231-51-6	Aromatic Hydrocarbons	0-15
1330-20-7	Xylenes (o-, m-, p- isomers)	0-25
64742-47-8	Petroleum distillates, hydrotreated light	0-20
64741-89-5	C5 to C8 Aliphatic hydrocarbons	0-20
8030-30-6	C9-C13 Medium Boiling Hydrocarbons	0-20
Not Available	C14-C20 High Boiling Aliphatic Hydrocarbons	0-20
999-97-3	Hexamethyldisilazane	0-20
100-41-4	Ethyl benzene	0-5
763-69-9	Ethyl 3-ethoxypropanoate	0-1

Component Information/Information on Non-Hazardous Components

*Mixture of 123-86-4, 110-19-0, 108-21-4, 108-65-6, 141-78-6, 109-60-4

**Mixture of 67-23-0, 64-17-5, 71-36-3, 67-56-1, 71-23-8

***Mixture of 78-93-3, 108-10-1

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

Description of Necessary Measures

Inhalation

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

Skin

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a POISON CENTER or doctor/physician. 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. Immediately call a POISON CENTER or doctor/physician.

Ingestion

Aspiration hazard. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do not induce vomiting. Rinse mouth.

Most Important Symptoms/Effects

Acute

Toxic if inhaled., Harmful if swallowed., Harmful in contact with skin., Causes skin burns, eye damage, lung damage (from aspiration), central nervous system damage, nervous system damage, kidney damage, respiratory system damage, and systemic toxicity damage., May cause liver damage, respiratory tract irritation, and central nervous system depression.

Delayed

Causes central nervous system damage, kidney damage, nervous system damage, respiratory system damage, liver damage, and eye damage., May cause mutagenic effects, cancer, reproductive effects, blood damage, and spleen damage.

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

Treat symptomatically and supportively. Increased sensitivity of the heart to Adrenaline (epinephrine) may be caused by overexposure to product. 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

Carbon dioxide, alcohol-resistant foam, dry chemical, water spray, or water fog.

Unsuitable Extinguishing Media

Do not use high-pressure water streams.

Specific Hazards Arising from the Chemical

Highly flammable liquid and vapor. Product may be sensitive to static discharge, which could result in fire or explosion. Vapors may form explosive mixture with air. Vapors are heavier than air and may travel along the ground to some distant source of ignition and flash back. Fire may produce irritating, poisonous and/or corrosive fumes. Runoff may create fire or explosion hazard. Empty product containers may retain product residue and can be dangerous. Containers may rupture or explode.

Hazardous Combustion Products

Decomposition and combustion materials may be toxic. Burning may produce carbon dioxide, 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

Keep storage containers cool with water spray. Move container from fire area if it can be done without risk. Cool containers with water from unmanned hose holder or monitor nozzles until well after fire is out. Stay away from the ends of tanks. Do not scatter spilled material with high-pressure water streams. Apply water from a protected location or from a safe distance. Avoid inhalation of material or combustion by-products. Let the fire burn. Withdraw immediately in case of rising sound from venting safety device or any discoloration of tanks due to fire. 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: 3 **Fire:** 3 **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. 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. 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

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat, sparks, open flame, and hot surfaces - No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Where flammable mixtures may be present, equipment safe for such locations should be used. Use clean, sparkproof tools and explosion-proof equipment. When transferring product, metal containers, including trucks and tank cars, should be grounded and bonded. Do not breathe vapor or mist. Use in a well ventilated area. Do not eat, drink, or smoke when using this product. Avoid contact with eyes, skin, clothing, and shoes. Wear protective gloves/protective clothing/eye protection/face protection. Wash thoroughly after handling.

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.

Incompatibilities

Combustible materials, oxidizing materials, reducing agents, acids, alkalis, metals, halogens, metal salts, amines, bases.

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

Component Exposure Limits

Toluene (108-88-3)

ACGIH:	20 ppm TWA
OSHA Final:	200 ppm TWA
	300 ppm Ceiling
OSHA Vacated:	100 ppm TWA; 375 mg/m3 TWA
	150 ppm STEL; 560 mg/m3 STEL
NIOSH:	100 ppm TWA; 375 mg/m3 TWA
	150 ppm STEL; 560 mg/m3 STEL

Acetone (67-64-1)

ACGIH:	500 ppm TWA
	750 ppm STEL
OSHA Final:	1000 ppm TWA; 2400 mg/m3 TWA
OSHA Vacated:	750 ppm TWA; 1800 mg/m3 TWA
	2400 mg/m3 STEL (The acetone STEL does not apply to the cellulose acetate fiber industry. It is in effect for all other sectors); 1000 ppm STEL
NIOSH:	250 ppm TWA; 590 mg/m3 TWA

***Mixture (109-60-4)**

ACGIH:	200 ppm TWA
	250 ppm STEL
OSHA Final:	200 ppm TWA; 840 mg/m3 TWA
OSHA Vacated:	200 ppm TWA; 840 mg/m3 TWA
	250 ppm STEL; 1050 mg/m3 STEL
NIOSH:	200 ppm TWA; 840 mg/m3 TWA
	250 ppm STEL; 1050 mg/m3 STEL

***Mixture (110-19-0)**

ACGIH:	150 ppm TWA
OSHA Final:	150 ppm TWA; 700 mg/m3 TWA
OSHA Vacated:	150 ppm TWA; 700 mg/m3 TWA
NIOSH:	150 ppm TWA; 700 mg/m3 TWA

***Mixture (123-86-4)**

ACGIH:	150 ppm TWA
	200 ppm STEL
OSHA Final:	150 ppm TWA; 710 mg/m3 TWA
OSHA Vacated:	150 ppm TWA; 710 mg/m3 TWA
	200 ppm STEL; 950 mg/m3 STEL
NIOSH:	150 ppm TWA; 710 mg/m3 TWA
	200 ppm STEL; 950 mg/m3 STEL

***Mixture (141-78-6)**

ACGIH:	400 ppm TWA
OSHA Final:	400 ppm TWA; 1400 mg/m3 TWA
OSHA Vacated:	400 ppm TWA; 1400 mg/m3 TWA
NIOSH:	400 ppm TWA; 1400 mg/m3 TWA

***Mixture (108-21-4)**

ACGIH:	100 ppm TWA
	200 ppm STEL
OSHA Final:	250 ppm TWA; 950 mg/m3 TWA
OSHA Vacated:	250 ppm TWA; 950 mg/m3 TWA
	310 ppm STEL; 1185 mg/m3 STEL

****Mixture (64-17-5)**

ACGIH:	1000 ppm STEL
OSHA Final:	1000 ppm TWA; 1900 mg/m3 TWA
OSHA Vacated:	1000 ppm TWA; 1900 mg/m3 TWA
NIOSH:	1000 ppm TWA; 1900 mg/m3 TWA

****Mixture (67-56-1)**

ACGIH:	200 ppm TWA
	250 ppm STEL
	Skin - potential significant contribution to overall exposure by the cutaneous route
OSHA Final:	200 ppm TWA; 260 mg/m3 TWA
OSHA Vacated:	200 ppm TWA; 260 mg/m3 TWA
	250 ppm STEL; 325 mg/m3 STEL
	Prevent or reduce skin absorption
NIOSH:	200 ppm TWA; 260 mg/m3 TWA
	250 ppm STEL; 325 mg/m3 STEL
	Potential for dermal absorption

****Mixture (67-63-0)**

ACGIH:	200 ppm TWA
	400 ppm STEL
OSHA Final:	400 ppm TWA; 980 mg/m3 TWA
OSHA Vacated:	400 ppm TWA; 980 mg/m3 TWA
	500 ppm STEL; 1225 mg/m3 STEL
NIOSH:	400 ppm TWA; 980 mg/m3 TWA
	500 ppm STEL; 1225 mg/m3 STEL

****Mixture (71-23-8)**

ACGIH:	100 ppm TWA
OSHA Final:	200 ppm TWA; 500 mg/m3 TWA
OSHA Vacated:	200 ppm TWA; 500 mg/m3 TWA
	250 ppm STEL; 625 mg/m3 STEL
NIOSH:	200 ppm TWA; 500 mg/m3 TWA
	250 ppm STEL; 625 mg/m3 STEL
	Potential for dermal absorption

****Mixture (71-36-3)**

ACGIH:	20 ppm TWA
OSHA Final:	100 ppm TWA; 300 mg/m3 TWA
OSHA Vacated:	50 ppm Ceiling; 150 mg/m3 Ceiling
	Prevent or reduce skin absorption
NIOSH:	50 ppm Ceiling; 150 mg/m3 Ceiling
	Potential for dermal absorption

*****Mixture (108-10-1)**

ACGIH:	20 ppm TWA
	75 ppm STEL
OSHA Final:	100 ppm TWA; 410 mg/m3 TWA
OSHA Vacated:	50 ppm TWA; 205 mg/m3 TWA
	75 ppm STEL; 300 mg/m3 STEL
NIOSH:	50 ppm TWA; 205 mg/m3 TWA
	75 ppm STEL; 300 mg/m3 STEL

*****Mixture (78-93-3)**

ACGIH:	200 ppm TWA
	300 ppm STEL
OSHA Final:	200 ppm TWA; 590 mg/m3 TWA
OSHA Vacated:	200 ppm TWA; 590 mg/m3 TWA
	300 ppm STEL; 885 mg/m3 STEL
NIOSH:	200 ppm TWA; 590 mg/m3 TWA
	300 ppm STEL; 885 mg/m3 STEL

Xylenes (o-, m-, p- isomers) (1330-20-7)

ACGIH:	100 ppm TWA
	150 ppm STEL
OSHA Final:	100 ppm TWA; 435 mg/m3 TWA
OSHA Vacated:	100 ppm TWA; 435 mg/m3 TWA
	150 ppm STEL; 655 mg/m3 STEL

C9-C13 Medium Boiling Hydrocarbons (8030-30-6)

OSHA Final:	100 ppm TWA; 400 mg/m3 TWA
OSHA Vacated:	100 ppm TWA; 400 mg/m3 TWA
NIOSH:	100 ppm TWA; 400 mg/m3 TWA

Ethyl benzene (100-41-4)

ACGIH:	20 ppm TWA
OSHA Final:	100 ppm TWA; 435 mg/m3 TWA
OSHA Vacated:	100 ppm TWA; 435 mg/m3 TWA
	125 ppm STEL; 545 mg/m3 STEL
NIOSH:	100 ppm TWA; 435 mg/m3 TWA
	125 ppm STEL; 545 mg/m3 STEL

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, and Lab coat or apron.

Eyes/Face Protection

Safety glasses with side shields should be worn at a minimum. Additional protection like goggles, face shields, or respirators may be needed dependent upon anticipated use and concentrations of mists or vapors. Contact lens use is not recommended.

Skin Protection

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

Respiratory Protection

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, colorless to pale yellow, moderate odor.	**pH:**	Not available
Odor:	Mild odor	**Odor Threshold:**	Not available
Boiling Point:	110 °C (Toluene)	**Melting Point:**	Not available
Solubility (H2O):	Slightly soluble.	**Specific Gravity:**	Not available
Density:	Not available	**Octanol/H2O Coeff.:**	Not available.
Evaporation Rate:	Not available	**Auto Ignition Temperature:**	Not available
LFL:	Not available	**Flash Point:**	<20°F (-7°C)(Tag Closed Cup)
UFL:	Not available	**Viscosity:**	Not available
Vapor Pressure:	Not available	**Flammability Class:**	Flammable
Vapor Density:	Not available	**Flammability (solid, gas):**	Not applicable

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, or flame and incompatible materials. Avoid contact with incompatible materials.

Incompatible Materials

Avoid combustible materials, oxidizing materials, reducing agents, acids, alkalis, metals, halogens, metal salts, amines, and bases.

Hazardous Decomposition Products

Burning may produce carbon dioxide, carbon monoxide, and unidentified organic compounds.

* * * Section 11 - Toxicological Information * * *

Toxicity Data and Information

Component Analysis - LD50/LC50

Toluene (108-88-3) Dermal LD50 Rabbit 12000 mg/kg; Inhalation LC50 Rat 12.5 mg/L 4 h; Oral LD50 Rat 2600 mg/kg

Acetone (67-64-1) Oral LD50 Rat 5800 mg/kg; Inhalation LC50 Rat 50100 mg/m3 8 h

***Mixture (108-65-6)** Dermal LD50 Rabbit >5 g/kg; Oral LD50 Rat 8532 mg/kg

***Mixture (109-60-4)** Dermal LD50 Rabbit >20 mL/kg; Oral LD50 Rat 8700 mg/kg

***Mixture (110-19-0)** Dermal LD50 Rabbit >17400 mg/kg; Oral LD50 Rat 15400 mg/kg

***Mixture (123-86-4)** Oral LD50 Rat 10768 mg/kg; Dermal LD50 Rabbit >17600 mg/kg; Inhalation LC50 Rat 390 ppm 4 h

***Mixture (141-78-6)** Oral LD50 Rat 5620 mg/kg; Dermal LD50 Rabbit >18000 mg/kg; Inhalation LC50 Mouse 1500 ppm 4 h

***Mixture (108-21-4)** Dermal LD50 Rabbit >20 mL/kg; Inhalation LC50 Rat 50600 mg/m3 8 h; Oral LD50 Rat 3000 mg/kg

****Mixture (64-17-5)** Oral LD50 Rat 7060 mg/kg; Inhalation LC50 Rat 124.7 mg/L 4 h

Naphtha, petroleum, full-range straight-run (64741-42-0)
Dermal LD50 Rabbit >2000 mg/kg; Inhalation LC50 Rat >5.04 mg/L 4 h; Oral LD50 Rat >7000 mg/kg

****Mixture (67-56-1)** Inhalation LC50 Rat 22500 ppm 8 h; Oral LD50 Rat 6200 mg/kg

****Mixture (67-63-0)** Dermal LD50 Rabbit 4059 mg/kg; Inhalation LC50 Rat 72600 mg/m3 4 h; Oral LD50 Rat 1870 mg/kg

****Mixture (71-23-8)** Oral LD50 Rat 1870 mg/kg; Dermal LD50 Rabbit 4049 mg/kg; Inhalation LC50 Rat >13548 ppm 4 h

****Mixture (71-36-3)** Dermal LD50 Rabbit 3402 mg/kg; Inhalation LC50 Rat >8000 ppm 4 h; Oral LD50 Rat 700 mg/kg

*****Mixture (108-10-1)** Dermal LD50 Rabbit 3000 mg/kg; Inhalation LC50 Rat 8.2 mg/L 4 h; Oral LD50 Rat 2080 mg/kg

*****Mixture (78-93-3)** Dermal LD50 Rabbit 5000 mg/kg; Inhalation LC50 Rat 11700 ppm 4 h; Oral LD50 Rat 2483 mg/kg

Xylenes (o-, m-, p- isomers) (1330-20-7) Dermal LD50 Rabbit >4350 mg/kg; Inhalation LC50 Rat 29.08 mg/L 4 h; Oral LD50 Rat 3500 mg/kg

C5 to C8 Aliphatic hydrocarbons (64741-89-5) Oral LD50 Rat >15 g/kg; Dermal LD50 Rabbit >5 g/kg; Inhalation LC50 Rat 2.18 mg/L 4 h

Petroleum distillates, 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

C9-C13 Medium Boiling Hydrocarbons (8030-30-6) Oral LD50 Rat >5 g/kg

Hexamethyldisilazane (999-97-3) Oral LD50 Rat 850 mg/kg; Dermal LD50 Rabbit 540 mg/kg; Inhalation LC50 Rat 8700 mg/m3 4 h

Ethyl benzene (100-41-4) Dermal LD50 Rabbit 15400 mg/kg; Inhalation LC50 Rat 17.2 mg/L 4 h; Oral LD50 Rat 3500 mg/kg

Ethyl 3-ethoxypropanoate (763-69-9) Oral LD50 Rat 5 g/kg

Information on Likely Routes of Exposure

Inhalation

Toxic if inhaled., May cause irritation, nausea, headache, dizziness, drowsiness, disorientation, loss of coordination, central nervous system effects, central nervous system damage, nervous system damage, kidney damage, respiratory system damage, mutagenic effects, cancer, reproductive effects, liver damage, blood damage, and spleen damage.

Ingestion

Aspiration hazard., Harmful if swallowed., May cause irritation, nausea, vomiting, central nervous system depression, central nervous system damage, nervous system damage, kidney damage, systemic toxicity damage, liver damage, blood damage, spleen damage, and lung damage (from aspiration).

Skin Contact

May be harmful in contact with skin. Causes skin burns.

Eye Contact

Causes serious eye damage.

Immediate Effects

Toxic if inhaled., Harmful if swallowed., Harmful in contact with skin., Causes skin burns, eye damage, lung damage (from aspiration), central nervous system damage, nervous system damage, kidney damage, respiratory system damage, and systemic toxicity damage., May cause liver damage, respiratory tract irritation, and central nervous system depression.

Delayed Effects

Causes central nervous system damage, kidney damage, nervous system damage, respiratory system damage, liver damage, and ear damage., May cause mutagenic effects, cancer, reproductive effects, blood damage, and spleen damage.

Irritation/Corrosivity

Causes skin burns and eye damage. May cause respiratory tract irritation.

Respiratory Sensitization

No information available for the product.

Skin Sensitization

No information available for the product.

Carcinogenicity

May cause cancer.

Component Carcinogenicity

Toluene (108-88-3)

ACGIH: A4 - Not Classifiable as a Human Carcinogen

IARC: Monograph 71 [1999]; Monograph 47 [1989] (Group 3 (not classifiable))

Acetone (67-64-1)

ACGIH: A4 - Not Classifiable as a Human Carcinogen

****Mixture (64-17-5)**

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

OSHA: Present (select carcinogen)

IARC: Monograph 100E [2012] (in alcoholic beverages); Monograph 96 [2010] (in alcoholic beverages) (Group 1 (carcinogenic to humans))

****Mixture (67-63-0)**

ACGIH: A4 - Not Classifiable as a Human Carcinogen

IARC: Monograph 71 [1999]; Supplement 7 [1987]; Monograph 15 [1977] (Group 3 (not classifiable))

****Mixture (71-23-8)**

ACGIH: A4 - Not Classifiable as a Human Carcinogen

*****Mixture (108-10-1)**

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

OSHA: Present (select carcinogen)

IARC: Monograph 101 [2012] (Group 2B (possibly carcinogenic to humans))

Xylenes (o-, m-, p- isomers) (1330-20-7)

ACGIH: A4 - Not Classifiable as a Human Carcinogen

IARC: Monograph 71 [1999]; Monograph 47 [1989] (Group 3 (not classifiable))

Ethyl benzene (100-41-4)

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

OSHA: Present (select carcinogen)

IARC: Monograph 77 [2000] (Group 2B (possibly carcinogenic to humans))

Germ Cell Mutagenicity

May cause genetic defects.

Teratogenicity

Reproductive Effects

May damage fertility or the unborn child. May cause harm to breast-fed children.

Specific Target Organ Effects - Single Exposure

Central nervous system, kidneys, respiratory system, systemic toxicity, liver, eyes.

Specific Target Organ Effects - Repeated Exposure

Central nervous system, kidneys, nervous system, respiratory system, liver, blood, spleen, eyes.

Aspiration Hazard

This material is an aspiration hazard.

Medical Conditions Aggravated by Exposure

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

* * * Section 12 - Ecological Information * * *

Ecotoxicity

Toxic to aquatic life. Harmful to aquatic life with long lasting effects.

Component Analysis - Ecotoxicity - Aquatic Toxicity

Toluene (108-88-3)

Duration/Test/Species	Concentration/Conditions	Notes
96 Hr LC50 Pimephales promelas	15.22 - 19.05 mg/L [flow-through]	1 day old
96 Hr LC50 Pimephales promelas	12.6 mg/L [static]	
96 Hr LC50 Oncorhynchus mykiss	5.89 - 7.81 mg/L [flow-through]	
96 Hr LC50 Oncorhynchus mykiss	14.1 - 17.16 mg/L [static]	
96 Hr LC50 Oncorhynchus mykiss	5.8 mg/L [semi-static]	
96 Hr LC50 Lepomis macrochirus	11.0 - 15.0 mg/L [static]	
96 Hr LC50 Oryzias latipes	54 mg/L [static]	
96 Hr LC50 Poecilia reticulata	28.2 mg/L [semi-static]	
96 Hr LC50 Poecilia reticulata	50.87 - 70.34 mg/L [static]	
96 Hr EC50 Pseudokirchneriella subcapitata	>433 mg/L	
72 Hr EC50 Pseudokirchneriella subcapitata	12.5 mg/L [static]	
48 Hr EC50 Daphnia magna	5.46 - 9.83 mg/L [Static]	
48 Hr EC50 Daphnia magna	11.5 mg/L	

Acetone (67-64-1)

Duration/Test/Species	Concentration/Conditions	Notes
96 Hr LC50 Oncorhynchus mykiss	4.74 - 6.33 mL/L	
96 Hr LC50 Pimephales promelas	6210 - 8120 mg/L [static]	
96 Hr LC50 Lepomis macrochirus	8300 mg/L	
48 Hr EC50 Daphnia magna	10294 - 17704 mg/L [Static]	
48 Hr EC50 Daphnia magna	12600 - 12700 mg/L	

***Mixture (108-65-6)**

Duration/Test/Species	Concentration/Conditions	Notes
96 Hr LC50 Pimephales promelas	161 mg/L [static]	
48 Hr EC50 Daphnia magna	>500 mg/L	

***Mixture (109-60-4)**

Duration/Test/Species	Concentration/Conditions	Notes
96 Hr LC50 Pimephales promelas	56 - 64 mg/L [flow-through]	
96 Hr LC50 Pimephales promelas	56 - 64 mg/L [static]	

***Mixture (123-86-4)**

Duration/Test/Species	Concentration/Conditions	Notes
96 Hr LC50 Lepomis macrochirus	100 mg/L [static]	
96 Hr LC50 Pimephales promelas	17 - 19 mg/L [flow-through]	
72 Hr EC50 Desmodesmus subspicatus	674.7 mg/L	

***Mixture (141-78-6)**

Duration/Test/Species	Concentration/Conditions	Notes
96 Hr LC50 Pimephales promelas	220 - 250 mg/L [flow-through]	
96 Hr LC50 Oncorhynchus mykiss	484 mg/L [flow-through]	
96 Hr LC50 Oncorhynchus mykiss	352 - 500 mg/L [semi-static]	
48 Hr EC50 Daphnia magna	560 mg/L [Static]	

****Mixture (64-17-5)**

Duration/Test/Species	Concentration/Conditions	Notes
96 Hr LC50 Oncorhynchus mykiss	12.0 - 16.0 mL/L [static]	
96 Hr LC50 Pimephales promelas	>100 mg/L [static]	
96 Hr LC50 Pimephales promelas	13400 - 15100 mg/L [flow-through]	
48 Hr LC50 Daphnia magna	9268 - 14221 mg/L	
48 Hr EC50 Daphnia magna	2 mg/L [Static]	

C9 to C13 aliphatic hydrocarbons (64741-41-9)

Duration/Test/Species	Concentration/Conditions	Notes
72 Hr EC50 Pseudokirchneriella subcapitata	4700 mg/L	

Naphtha, petroleum, full-range straight-run (64741-42-0)

Duration/Test/Species	Concentration/Conditions	Notes
72 Hr EC50 Pseudokirchneriella subcapitata	4700 mg/L	
48 Hr LC50 Mysidopsis bahia	2 mg/L	

****Mixture (67-56-1)**

Duration/Test/Species	Concentration/Conditions	Notes
96 Hr LC50 Pimephales promelas	28200 mg/L [flow-through]	
96 Hr LC50 Pimephales promelas	>100 mg/L [static]	
96 Hr LC50 Oncorhynchus mykiss	19500 - 20700 mg/L [flow-through]	
96 Hr LC50 Oncorhynchus mykiss	18 - 20 mL/L [static]	
96 Hr LC50 Lepomis macrochirus	13500 - 17600 mg/L [flow-through]	

****Mixture (67-63-0)**

Duration/Test/Species	Concentration/Conditions	Notes
96 Hr LC50 Pimephales promelas	9640 mg/L [flow-through]	
96 Hr LC50 Pimephales promelas	11130 mg/L [static]	
96 Hr LC50 Lepomis macrochirus	>1400000 µg/L	
96 Hr EC50 Desmodesmus subspicatus	>1000 mg/L	
72 Hr EC50 Desmodesmus subspicatus	>1000 mg/L	
48 Hr EC50 Daphnia magna	13299 mg/L	

****Mixture (71-23-8)**

Duration/Test/Species	Concentration/Conditions	Notes
96 Hr LC50 Pimephales promelas	4480 mg/L [flow-through]	
48 Hr EC50 Daphnia magna	3642 mg/L	
48 Hr EC50 Daphnia magna	3339 - 3977 mg/L [Static]	

****Mixture (71-36-3)**

Duration/Test/Species	Concentration/Conditions	Notes
96 Hr LC50 Pimephales promelas	1730 - 1910 mg/L [static]	
96 Hr LC50 Pimephales promelas	1740 mg/L [flow-through]	
96 Hr LC50 Lepomis macrochirus	100000 - 500000 µg/L [static]	
96 Hr LC50 Pimephales promelas	1910000 µg/L [static]	
96 Hr EC50 Desmodesmus subspicatus	>500 mg/L	
72 Hr EC50 Desmodesmus subspicatus	>500 mg/L	
48 Hr EC50 Daphnia magna	1983 mg/L	
48 Hr EC50 Daphnia magna	1897 - 2072 mg/L [Static]	

*****Mixture (108-10-1)**

Duration/Test/Species	Concentration/Conditions	Notes
96 Hr LC50 Pimephales promelas	496 - 514 mg/L [flow-through]	
96 Hr EC50 Pseudokirchneriella subcapitata	400 mg/L	
48 Hr EC50 Daphnia magna	170 mg/L	

*****Mixture (78-93-3)**

Duration/Test/Species	Concentration/Conditions	Notes
96 Hr LC50 Pimephales promelas	3130 - 3320 mg/L [flow-through]	
48 Hr EC50 Daphnia magna	>520 mg/L	
48 Hr EC50 Daphnia magna	5091 mg/L	
48 Hr EC50 Daphnia magna	4025 - 6440 mg/L [Static]	

Xylenes (o-, m-, p- isomers) (1330-20-7)

Duration/Test/Species	Concentration/Conditions	Notes
96 Hr LC50 Pimephales promelas	13.4 mg/L [flow-through]	
96 Hr LC50 Oncorhynchus mykiss	2.661 - 4.093 mg/L [static]	
96 Hr LC50 Oncorhynchus mykiss	13.5 - 17.3 mg/L	
96 Hr LC50 Lepomis macrochirus	13.1 - 16.5 mg/L [flow-through]	
96 Hr LC50 Lepomis macrochirus	19 mg/L	
96 Hr LC50 Lepomis macrochirus	7.711 - 9.591 mg/L [static]	
96 Hr LC50 Pimephales promelas	23.53 - 29.97 mg/L [static]	
96 Hr LC50 Cyprinus carpio	780 mg/L [semi-static]	
96 Hr LC50 Cyprinus carpio	>780 mg/L	
96 Hr LC50 Poecilia reticulata	30.26 - 40.75 mg/L [static]	
48 Hr EC50 water flea	3.82 mg/L	
48 Hr LC50 Gammarus lacustris	0.6 mg/L	

C5 to C8 Aliphatic hydrocarbons (64741-89-5)

Duration/Test/Species	Concentration/Conditions	Notes
96 Hr LC50 Oncorhynchus mykiss	>5000 mg/L	
48 Hr EC50 Daphnia magna	>1000 mg/L	

Petroleum distillates, 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]	

C9-C13 Medium Boiling Hydrocarbons (8030-30-6)

Duration/Test/Species	Concentration/Conditions	Notes
96 Hr LC50 Lepomis macrochirus	9.2 mg/L [static]	
72 Hr EC50 Pseudokirchneriella subcapitata	4700 mg/L	

Hexamethyldisilazane (999-97-3)

Duration/Test/Species	Concentration/Conditions	Notes
96 Hr LC50 Pimephales promelas	167 mg/L [static]	
48 Hr EC50 Daphnia magna	186 mg/L	

Ethyl benzene (100-41-4)

Duration/Test/Species	Concentration/Conditions	Notes
96 Hr LC50 Oncorhynchus mykiss	11.0 - 18.0 mg/L [static]	
96 Hr LC50 Oncorhynchus mykiss	4.2 mg/L [semi-static]	
96 Hr LC50 Pimephales promelas	7.55 - 11 mg/L [flow-through]	
96 Hr LC50 Lepomis macrochirus	32 mg/L [static]	
96 Hr LC50 Pimephales promelas	9.1 - 15.6 mg/L [static]	
96 Hr LC50 Poecilia reticulata	9.6 mg/L [static]	
72 Hr EC50 Pseudokirchneriella subcapitata	4.6 mg/L	
96 Hr EC50 Pseudokirchneriella subcapitata	>438 mg/L	
72 Hr EC50 Pseudokirchneriella subcapitata	2.6 - 11.3 mg/L [static]	
96 Hr EC50 Pseudokirchneriella subcapitata	1.7 - 7.6 mg/L [static]	
48 Hr EC50 Daphnia magna	1.8 - 2.4 mg/L	

Ethyl 3-ethoxypropanoate (763-69-9)

Duration/Test/Species	Concentration/Conditions	Notes
96 Hr LC50 Pimephales promelas	62 mg/L [static]	
48 Hr EC50 Daphnia magna	970 mg/L	

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

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.

If discarded, this product is considered a RCRA ignitable waste, D001. 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.

* * * Section 14 - Transport Information * * *

Emergency Response Guide Number

128

Reference .*North American Emergency Response Guidebook*

Transportation Regulations

DOT **Shipping Name:** Paint related material
UN/NA #: UN1263 **Hazard Class:** 3 **Packing Group:** II
Required Label(s): 3

TDG **Shipping Name:** Paint related material
UN/NA #: UN1263 **Hazard Class:** 3 **Packing Group:** II
Required Label(s): 3

* * * Section 15 - Regulatory Information * * *

Volatile Organic Compounds (As Regulated)

70-85 WT%; 5-6 LB/US gallon; 590-720 g/L
As per 40 CFR Part 51.100(s)
Contains photochemically reactive solvent
VOC VP = 400 mm Hg@20°C
Consult your state or local air district 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):
Immediate (Acute) Health Hazard
Delayed (Chronic) Health Hazard
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.

Toluene (108-88-3)	1.0 % de minimis concentration
****Mixture (67-56-1)**	1.0 % de minimis concentration
****Mixture (67-63-0)**	1.0 % de minimis concentration (only if manufactured by the strong acid process, no supplier notification)
****Mixture (71-36-3)**	1.0 % de minimis concentration
*****Mixture (108-10-1)**	1.0 % de minimis concentration
Xylenes (o-, m-, p- isomers) (1330-20-7)	1.0 % de minimis concentration
Ethyl benzene (100-41-4)	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):

Toluene (108-88-3)	1000 lb final RQ; 454 kg final RQ
Acetone (67-64-1)	5000 lb final RQ; 2270 kg final RQ
***Mixture (110-19-0)**	5000 lb final RQ; 2270 kg final RQ
***Mixture (123-86-4)**	5000 lb final RQ; 2270 kg final RQ
***Mixture (141-78-6)**	5000 lb final RQ; 2270 kg final RQ
****Mixture (67-56-1)**	5000 lb final RQ; 2270 kg final RQ
****Mixture (71-36-3)**	5000 lb final RQ; 2270 kg final RQ
*****Mixture (108-10-1)**	5000 lb final RQ; 2270 kg final RQ
*****Mixture (78-93-3)**	5000 lb final RQ; 2270 kg final RQ
Xylenes (o-, m-, p- isomers) (1330-20-7)	100 lb final RQ; 45.4 kg final RQ
Ethyl benzene (100-41-4)	1000 lb final RQ; 454 kg final RQ

TSCA Inventory

All the components of this product are listed on, or are automatically included as "naturally occurring chemical substances" on, or are exempted from the requirement to be listed on, the TSCA Inventory.

Component Analysis

Component	CAS #	TSCA
Toluene	108-88-3	Yes
Acetone	67-64-1	Yes
*Mixture	108-65-6	Yes
*Mixture	109-60-4	Yes
*Mixture	110-19-0	Yes
*Mixture	123-86-4	Yes
*Mixture	141-78-6	Yes
*Mixture	108-21-4	Yes
Acetone	64-17-5	Yes
C9 to C13 aliphatic hydrocarbons	64741-41-9	Yes
Naphtha, petroleum, full-range straight-run	64741-42-0	Yes
**Mixture	67-56-1	Yes
**Mixture	67-63-0	Yes
**Mixture	71-23-8	Yes
**Mixture	71-36-3	Yes
Aromatic Hydrocarbons	63231-51-6	No
***Mixture	108-10-1	Yes
***Mixture	78-93-3	Yes
Xylenes (o-, m-, p- isomers)	1330-20-7	Yes
C5 to C8 Aliphatic hydrocarbons	64741-89-5	Yes
Petroleum distillates, hydrotreated light	64742-47-8	Yes
C9-C13 Medium Boiling Hydrocarbons	8030-30-6	Yes
Hexamethyldisilazane	999-97-3	Yes
Ethyl benzene	100-41-4	Yes
Ethyl 3-ethoxypropanoate	763-69-9	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
Toluene	108-88-3	Yes	Yes	Yes	Yes	Yes
Acetone	67-64-1	Yes	Yes	Yes	Yes	Yes
*Mixture	109-60-4	Yes	Yes	Yes	Yes	Yes
*Mixture	110-19-0	Yes	Yes	Yes	Yes	Yes
*Mixture	123-86-4	Yes	Yes	Yes	Yes	Yes
*Mixture	141-78-6	Yes	Yes	Yes	Yes	Yes
*Mixture	108-21-4	Yes	Yes	Yes	Yes	Yes
**Mixture	64-17-5	Yes	Yes	Yes	Yes	Yes
**Mixture	67-56-1	Yes	Yes	Yes	Yes	Yes
**Mixture	67-63-0	Yes	Yes	Yes	Yes	Yes
**Mixture	71-23-8	Yes	Yes	Yes	Yes	Yes
**Mixture	71-36-3	Yes	Yes	Yes	Yes	Yes
***Mixture	108-10-1	Yes	Yes	Yes	Yes	Yes
***Mixture	78-93-3	Yes	Yes	Yes	Yes	Yes
Xylenes (o-, m-, p- isomers)	1330-20-7	Yes	Yes	Yes	Yes	Yes
C5 to C8 Aliphatic hydrocarbons	64741-89-5	No	Yes	No	No	No
C9-C13 Medium Boiling Hydrocarbons	8030-30-6	Yes	Yes	Yes	Yes	Yes
Hexamethyldisilazane	999-97-3	No	No	No	Yes	No
Ethyl benzene	100-41-4	Yes	Yes	Yes	Yes	Yes

Canadian Regulations

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
Toluene	108-88-3	DSL
Acetone	67-64-1	DSL
*Mixture	108-65-6	DSL
*Mixture	109-60-4	DSL
*Mixture	110-19-0	DSL
*Mixture	123-86-4	DSL
*Mixture	141-78-6	DSL
*Mixture	108-21-4	DSL
Acetone	64-17-5	DSL
C9 to C13 aliphatic hydrocarbons	64741-41-9	DSL
Naphtha, petroleum, full-range straight-run	64741-42-0	DSL
**Mixture	67-56-1	DSL
**Mixture	67-63-0	DSL
**Mixture	71-23-8	DSL
**Mixture	71-36-3	DSL
Aromatic Hydrocarbons	63231-51-6	No
***Mixture	108-10-1	DSL
***Mixture	78-93-3	DSL
Xylenes (o-, m-, p- isomers)	1330-20-7	DSL
C5 to C8 Aliphatic hydrocarbons	64741-89-5	DSL
Petroleum distillates, hydrotreated light	64742-47-8	DSL
C9-C13 Medium Boiling Hydrocarbons	8030-30-6	DSL
Hexamethyldisilazane	999-97-3	DSL
Ethyl benzene	100-41-4	DSL
Ethyl 3-ethoxypropanoate	763-69-9	DSL

Canadian WHMIS Information

B2, D1B, D2A, D2B.

Component Analysis - WHMIS IDL

The following components are identified under the Canadian Hazardous Products Act Ingredient Disclosure List:

Toluene (108-88-3)	1 %
Acetone (67-64-1)	1 %
***Mixture (109-60-4)**	1 %
***Mixture (110-19-0)**	1 %
***Mixture (123-86-4)**	1 %
***Mixture (141-78-6)**	1 %
***Mixture (108-21-4)**	1 %
****Mixture (64-17-5)**	0.1 %
****Mixture (67-56-1)**	1 %
****Mixture (67-63-0)**	1 %
****Mixture (71-23-8)**	1 %
****Mixture (71-36-3)**	1 %
*****Mixture (108-10-1)**	1 %
*****Mixture (78-93-3)**	1 %
Ethyl benzene (100-41-4)	0.1 %

* * * Section 16 - Other Information * * *

Revision Information

Reformat to OSHA HazCom 29 CFR 1910.1200 adoption of GHS Revision 3.
Updated: 2/2/2015

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

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.

End of Sheet 820016