Safety Data Sheet

Material Name: SAFETY-KLEEN VIRGIN LOW-VAPOR-PRESSURE THINNER **SDS ID: 82675**

* * * Section 1 - Identification * * *

Product Identifier

SAFETY-KLEEN VIRGIN LOW-VAPOR-PRESSURE THINNER

Product Code

6874, 585820, 585825

Synonyms

Lacquer thinner

Recommended Use

For cleaning coating equipment (e.g., paint spray guns). 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

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

Phone: 1-800-669-5740

Emergency # 1-800-468-1760

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September 21, 1995

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

Classification in Accordance with 29 CFR 1910.1200.

Flammable Liquids, Category 2
Acute Toxicity (Oral), Category 4
Acute Toxicity (Inhalation), Category 4
Skin Corrosion / Irritation, Category 2
Eye Damage / Irritation, Category 2A
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, kidneys, liver, respiratory system, and systemic toxicity)
Specific Target Organ Toxicity - Single Exposure, Category 3 (central nervous system and respiratory system); Repeated Exposure, Category 1 (central nervous system, nervous system, and kidneys); Repeated Exposure, Category 2 (blood, liver, and spleen)
Aspiration Hazard, Category 1
Hazardous to the aquatic environment - acute hazard, Category 2

GHS LABEL ELEMENTS

Symbol(s)

Signal Word

DANGER!

Hazard Statement(s)

Highly flammable liquid and vapor
Harmful if swallowed or inhaled
Causes skin irritation, serious eye irritation, and damage to central nervous system, kidneys, liver, respiratory system, and systemic toxicity
May cause genetic defects and cancer
May damage fertility or the unborn child and may cause harm to breast-fed children
May cause respiratory irritation, drowsiness or dizziness
Causes damage to central nervous system, kidneys, and nervous system through prolonged or repeated exposure
May cause damage to blood, liver, and spleen through prolonged or repeated exposure
May be fatal if swallowed and enters airways
Toxic to aquatic life

Precautionary Statement(s)

Prevention

Keep away from heat, sparks, open flame, and 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 eat, drink or smoke when using this product. Avoid contact during pregnancy/while nursing. Do not breathe vapor or mist. Wear protective gloves/protective clothing/eye protection/face protection. Wash thoroughly after handling. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use only outdoors or in a well-ventilated area. 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 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 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 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 SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting. Rinse mouth.

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
108-88-3	Toluene	15-25
110-19-0	Isobutyl acetate	10-30
78-93-3	Methyl ethyl ketone	10-20
108-10-1	Methylisobutyl ketone	5-15*
67-63-0	Isopropyl alcohol	5-15*
64742-89-8	Solvent naphtha (petroleum), light aliphatic	5-15*
1330-20-7	Xylenes (o-, m-, p- isomers)	5-15*
64742-49-0	Naphtha, petroleum, hydrotreated light	1-15*
763-69-9	Ethyl 3-ethoxypropanoate	2-7
100-41-4	Ethyl benzene	0.1-2

Component Information/Information on Non-Hazardous Components

* Even though the concentration range does not fall under the ranges prescribed by WHMIS, this is the actual range which varies with each batch of the product.

* * * 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 (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. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Ingestion

IF SWALLOWED: Aspiration hazard. Do NOT induce vomiting. Rinse mouth. 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

Harmful if swallowed, harmful in contact with skin, severe eye irritation, skin irritation, respiratory tract irritation, aspiration hazard, central nervous system damage, kidney damage, liver damage, respiratory system damage, systemic toxicity damage

Delayed

Mutagenic effects, cancer hazard, reproductive effects, central nervous system damage, kidney damage, blood damage, liver damage, spleen damage, 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. Increased sensitivity of the heart to Adrenaline (epinephrine) may be caused by overexposure to product. Administration of gastric lavage, if warranted, should be performed by qualified medical personnel. 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. Avoid friction, static electricity and sparks. 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. Vapors may cause drowsiness and dizziness. Fire may produce irritating, poisonous and/or corrosive fumes. Runoff may create fire or explosion hazard. Containers may rupture or explode. Empty containers may contain product residue.

Hazardous Combustion Products

Decomposition and combustion materials may be toxic. Burning may produce aldehydes, alcohols, organic acids, 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. For fires in cargo or storage area: Cool containers with water from unmanned hose holder or monitor nozzles until well after fire is out. Keep unnecessary people away, isolate hazard area and deny entry. 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: 2 **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. 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. 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. Avoid contact with eyes, skin, clothing, and shoes. Do not smoke when using this product. Do not eat, drink or smoke when using this product. 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; containers may explode and cause injury or death. 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. Store locked up. **See Section 14,** for Packing Group information.

Incompatibilities

Acids, alkalis, combustible materials, oxidizing materials, reducing agents, reactive metals, halogens, metal salts.

* * * 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

Isobutyl acetate (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

Methyl ethyl ketone (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

Isopropyl alcohol (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

Methylisobutyl ketone (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

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, lab coat or apron.

Eyes/Face Protection

Eye 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 resistant gloves; use of natural rubber (latex), polyvinyl chloride (PVC), neoprene 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, whole body suits, or other protective clothing.

Respiratory Protection

Use NIOSH-certified, air-supplier respirators (self-contained breathing apparatus or air-line) where concentrations exceed applicable exposure limits. Use NIOSH-certified, full-face respirators with organic vapor cartridges respiratory protective equipment when concentrations of vapor or mist exceeds applicable exposure limits. 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 :	Clear and colorless liquid, thinner odor	**pH:**	Not applicable
Odor Threshold:	Less than 1 mm Hg	**Boiling Point:**	145ºF (63ºC) initial
Melting Point:	-54ºF (-48ºC) (maximum)	**Solubility (H2O):**	Slight
Specific Gravity:	0.8 (water = 1)	**Density:**	6.7 LB/US gal (800 g/L)
Octanol/H2O Coeff.:	Not available.	**Evaporation Rate:**	>1 (butyl acetate = 1)
Molecular Weight:	Not applicable.	**Auto Ignition Temperature:**	Not available
LFL:	0.8 VOL% (maximum)	**Flash Point:**	20ºF (-7ºC) (maximum) Tag Closed Cup
UFL:	11.4 VOL% (minimum)	**Viscosity:**	Not available
Vapor Pressure:	<35 mm Hg at 75ºF (24ºC) (maximum)	**Flammability Class:**	Flammable
Vapor Density:	>2.0 (air = 1)		

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, combustible materials, oxidizing agent, reducing agents, halogens, reactive metals, and metal salts.

Hazardous Decomposition Products

Burning may produce aldehydes, alcohols, organic acids, carbon monoxide, and unidentified organic compounds. See also **Section 5, Hazardous Combustion Products.**

* * * Section 11 - Toxicological Information * * *

Toxicity Data and Information

Component Analysis - LD50/LC50

Toluene (108-88-3)

Dermal LD50 Rabbit 8390 mg/kg; Inhalation LC50 Rat 12.5 mg/L 4 h; Oral LD50 Rat 636 mg/kg

Isobutyl acetate (110-19-0)

Dermal LD50 Rabbit >17400 mg/kg; Oral LD50 Rat 13400 mg/kg

Methyl ethyl ketone (78-93-3)

Inhalation LC50 Rat 23500 mg/m3 8 h

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

Inhalation LC50 Rat 47635 mg/L 4 h; Oral LD50 Rat 4300 mg/kg

Solvent naphtha (petroleum), light aliphatic (64742-89-8)

Dermal LD50 Rabbit 3000 mg/kg; Oral LD50 Mouse 5000 mg/kg

Isopropyl alcohol (67-63-0)

Dermal LD50 Rabbit 12800 mg/kg; Inhalation LC50 Rat 16000 ppm 8 h; Oral LD50 Rat 4396 mg/kg

Methylisobutyl ketone (108-10-1)
Dermal LD50 Rabbit >16000 mg/kg; Inhalation LC50 Rat 8.2 mg/L 4 h; Oral LD50 Rat 2080 mg/kg
Naphtha, petroleum, hydrotreated light (64742-49-0)
Dermal LD50 Rabbit >3160 mg/kg; Inhalation LC50 Rat 73680 ppm 4 h; Oral LD50 Rat >5000 mg/kg
Ethyl 3-ethoxypropanoate (763-69-9)
Oral LD50 Rat 3200 mg/kg
Ethyl benzene (100-41-4)
Dermal LD50 Rabbit 15354 mg/kg; Inhalation LC50 Rat 17.2 mg/L 4 h; Oral LD50 Rat 3500 mg/kg

Information on Likely Routes of Exposure

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

Ingestion
Harmful if swallowed. May be fatal if swallowed and enters airways May cause throat irritation, nausea, vomiting, and diarrhea.

Skin Contact
Causes skin irritation.

Eye Contact
Causes serious eye irritation.

Immediate Effects
Harmful if swallowed, harmful in contact with skin, severe eye irritation, skin irritation, respiratory tract irritation, aspiration hazard, central nervous system damage, kidney damage, liver damage, respiratory system damage, systemic toxicity damage.

Delayed Effects
Mutagenic effects, cancer hazard, reproductive effects, central nervous system damage, kidney damage, blood damage, liver damage, spleen damage, nervous system damage.

Irritation/Corrosivity
Causes skin irritation and severe eye 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))

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))

Isopropyl alcohol (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))

Methylisobutyl ketone (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))

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

No information available for the product.

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, liver, respiratory system, systemic toxicity

Specific Target Organ Effects - Repeated Exposure

Central nervous system, kidneys, nervous system, blood, liver, spleen

Aspiration Hazard

This material is an aspiration hazard.

Medical Conditions Aggravated by Exposure

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

* * * Section 12 - Ecological Information * * *

Ecotoxicity

Toxic to aquatic life.

Component Analysis - Ecotoxicity - Aquatic Toxicity

Toluene (108-88-3)

Duration/Test/Species	Concentration/Conditions
96 Hr LC50 Pimephales promelas	15.22 - 19.05 mg/L [flow-through]
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

Methyl ethyl ketone (78-93-3)

Duration/Test/Species	Concentration/Conditions
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
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

Solvent naphtha (petroleum), light aliphatic (64742-89-8)

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

Isopropyl alcohol (67-63-0)

Duration/Test/Species	Concentration/Conditions
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

Methylisobutyl ketone (108-10-1)

Duration/Test/Species	Concentration/Conditions
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

Ethyl 3-ethoxypropanoate (763-69-9)

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

Ethyl benzene (100-41-4)

Duration/Test/Species	Concentration/Conditions
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

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

USEPA waste code 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(s) 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.

* * * Section 14 - Transport Information * * *

Emergency Response Guide Number

128: Reference .*North American Emergency Response Guidebook*

International Transportation Regulations

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

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

* * * Section 15 - Regulatory Information * * *

Volatile Organic Compounds (As Regulated)

Up to 100 WT%; 6.7 LB/US gal; 800 g/l
As per 40 CFR Part 51.100(s)
Photochemically reactive (up to 100% by volume)
VOC Vapor Pressure <35 mm Hg at 75ºF (24ºC) (maximum)
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

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

Xylenes (o-, m-, p- isomers) (1330-20-7)	1.0 % de minimis concentration
Isopropyl alcohol (67-63-0)	1.0 % de minimis concentration (only if manufactured by the strong acid process, no supplier notification)
Methylisobutyl ketone (108-10-1)	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
Isobutyl acetate (110-19-0)	5000 lb final RQ; 2270 kg final RQ
Methyl ethyl ketone (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
Methylisobutyl ketone (108-10-1)	5000 lb final RQ; 2270 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
Isobutyl acetate	110-19-0	Yes
Methyl ethyl ketone	78-93-3	Yes
Xylenes (o-, m-, p- isomers)	1330-20-7	Yes
Solvent naphtha (petroleum), light aliphatic	64742-89-8	Yes
Isopropyl alcohol	67-63-0	Yes
Methylisobutyl ketone	108-10-1	Yes
Naphtha, petroleum, hydrotreated light	64742-49-0	Yes
Ethyl 3-ethoxypropanoate	763-69-9	Yes
Ethyl benzene	100-41-4	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
Toluene	108-88-3	Yes	Yes	Yes	Yes	Yes
Isobutyl acetate	110-19-0	Yes	Yes	Yes	Yes	Yes
Methyl ethyl ketone	78-93-3	Yes	Yes	Yes	Yes	Yes
Xylenes (o-, m-, p- isomers)	1330-20-7	Yes	Yes	Yes	Yes	Yes
Isopropyl alcohol	67-63-0	Yes	Yes	Yes	Yes	Yes
Methylisobutyl ketone	108-10-1	Yes	Yes	Yes	Yes	Yes
Ethyl benzene	100-41-4	Yes	Yes	Yes	Yes	Yes

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

Canadian Regulations

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

Component Analysis

Component	CAS #	CAN
Toluene	108-88-3	DSL
Isobutyl acetate	110-19-0	DSL
Methyl ethyl ketone	78-93-3	DSL
Xylenes (o-, m-, p- isomers)	1330-20-7	DSL
Solvent naphtha (petroleum), light aliphatic	64742-89-8	DSL
Isopropyl alcohol	67-63-0	DSL
Methylisobutyl ketone	108-10-1	DSL
Naphtha, petroleum, hydrotreated light	64742-49-0	DSL
Ethyl 3-ethoxypropanoate	763-69-9	DSL
Ethyl benzene	100-41-4	DSL

Canadian WHMIS Information

B2, 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 %
Isobutyl acetate (110-19-0) 1 %
Methyl ethyl ketone (78-93-3) 1 %
Isopropyl alcohol (67-63-0) 1 %
Methylisobutyl ketone (108-10-1) 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.

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 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 of 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 82675