Safety Data Sheet

Material Name: SAFETY-KLEEN HEAVY DUTY 550 CLEANING SOLVENT **SDS ID: GHS 82509**

* * * Section 1 - Identification * * *

Product Identifier

SAFETY-KLEEN HEAVY DUTY 550 CLEANING SOLVENT

Product Code

6864, 585821, 585826

Synonyms

Not applicable.

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 Systems, Inc.
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Emergency # 1-800-468-1760

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Original Issue Date

August 2, 2005

* * * 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 3
Skin Corrosion / Irritation, Category 2
Eye Damage / Irritation, Category 1
Germ Cell Mutagenicity, Category 1B
Carcinogenicity, Category 1B
Toxic to Reproduction, Category 2
Specific Target Organ Toxicity - Single Exposure, Category 1 (central nervous system); Single Exposure, Category 2 (respiratory system and liver); Single Exposure, Category 3 (central nervous system and respiratory tract irritation); Repeated Exposure, Category 1 (central nervous system, kidneys, liver, and ears); Repeated Exposure, Category 2 (blood and respiratory system)
Hazardous to the aquatic environment - acute hazard, Category 3
Aspiration Hazard, Category 1

GHS LABEL ELEMENTS

Symbol(s)

Signal Word

DANGER!

Hazard Statement(s)

Highly flammable liquid and vapor
Harmful if swallowed
Toxic if inhaled
Causes skin irritation, eye damage, and damage to central nervous system
May cause genetic defects, cancer, drowsiness and dizziness, respiratory irritation and damage to respiratory system and liver
Suspected of damaging fertility or the unborn child
Causes damage to central nervous system, kidneys, liver, and ears through prolonged or repeated exposure
May cause damage to blood and respiratory system through prolonged or repeated exposure
May be fatal if swallowed and enters airways
Harmful 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. Wear protective gloves/clothing and eye/face protection. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Do not breathe vapor or mist. Use only outdoors or in a well-ventilated area. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid release to the environment.

Response

In case of fire: Use water spray, carbon dioxide, dry chemical,,and alcohol resistant foam for extinction. IF exposed or concerned: Get medical advice/attention. Specific treatment may be needed, see first aid section of Safety Data Sheet. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician. Specific treatment may be needed, see first aid section of Safety Data Sheet. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Specific treatment may be needed, see first aid section of Safety Data Sheet. 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. 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 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
63231-51-6	Aromatic Hydrocarbons	15-80
67-64-1	Acetone	40-80
*MIXTURE	Ketones	3-35
***MIXTURE	Acetates	0-30
**MIXTURE	Aliphatic hydrocarbons	0-25
68475-56-9	Alcohols, C1-3	0-20
****MIXTURE	Other Alcohols	0-10
763-69-9	Ethyl 3-ethoxypropanoate	0-5

Component Information/Information on Non-Hazardous Components

*Mixture of 78-93-3, 108-10-1, 110-43-0, 107-87-9

**Mixture of 64741-89-5, 8030-30-6

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

****Mixture of 71-36-3, 75-65-0

* * * 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.

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.

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

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

Most Important Symptoms/Effects

Acute

Aspiration hazard, toxic if inhaled, harmful if swallowed, central nervous system damage, eye damage, skin irritation, liver damage, respiratory system damage, respiratory tract irritation, central nervous system depression.

Delayed

Mutagenic effects, cancer, reproductive effects, central nervous system damage, kidney damage, liver damage, ear damage, blood damage, respiratory 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.

* * * Section 5 - Fire-Fighting Measures * * *

Suitable Extinguishing Media

Carbon dioxide, dry chemical or alcohol-resistant foam.

Unsuitable Extinguishing Media

Do not use high-pressure water streams.

Specific Hazards Arising from the Chemical

Product may be sensitive to static discharge, which could result in fire or explosion. Highly flammable liquid and vapor.

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 formaldehyde, peracetic acid, 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: 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: 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 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. Keep container tightly closed. Keep cool. Do not pressurize, cut, weld, braze, solder, drill, or grind containers. Empty product containers may retain product residue and can be dangerous. Store in a well-ventilated place. **See Section 14, Transportation Information** for Packing Group information.

Incompatibilities

Combustible materials, strong oxidizing materials, strong acids, alkalies, reducing agents, reactive halogens, reactive metals.

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

Component Exposure Limits

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 (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 (110-43-0)**

ACGIH:	50 ppm TWA
OSHA Final:	100 ppm TWA; 465 mg/m3 TWA
OSHA Vacated:	100 ppm TWA; 465 mg/m3 TWA
NIOSH:	100 ppm TWA; 465 mg/m3 TWA

***Mixture (107-87-9)**

ACGIH:	150 ppm STEL
OSHA Final:	200 ppm TWA; 700 mg/m3 TWA
OSHA Vacated:	200 ppm TWA; 700 mg/m3 TWA 250 ppm STEL; 875 mg/m3 STEL
NIOSH:	150 ppm TWA; 530 mg/m3 TWA

***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

****Mixture (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

*****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 (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 (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 (75-65-0)**	
ACGIH:	100 ppm TWA
OSHA Final:	100 ppm TWA; 300 mg/m3 TWA
OSHA Vacated:	100 ppm TWA; 300 mg/m3 TWA
	150 ppm STEL; 450 mg/m3 STEL
NIOSH:	100 ppm TWA; 300 mg/m3 TWA
	150 ppm STEL; 450 mg/m3 STEL
******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

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. Use explosion proof equipment. Ensure compliance with applicable exposure limits.

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 polyvinyl alcohol (PVA), laminate or equivalent protective 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, full-face respirators (self-contained breathing apparatus or air-line) 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 :	Liquid, clear and colorless, solvent odor	**pH:**	Not applicable.
Boiling Point:	133ºF (56.2ºC) initial (approximately)	**Odor Threshold:**	Not available.
Solubility (H2O):	Slight.	**Melting Point:**	Not available.
Density:	6.8 lb/US gal (820 g/L) (approximately)	**Specific Gravity:**	0.82 (water =1) (approximately)
Evaporation Rate:	Not available.	**Octanol/H2O Coeff.:**	Not available.
LFL:	1 VOL % (approximately)	**Auto Ignition Temperature:**	800°F (427°C) (approximately)
UFL:	13 VOL% (approximately)	**Flash Point:**	0ºF (-18ºC) (minimum, based on Acetone)
Vapor Pressure:	108 mmHg @ 68°F (20°C) (approximately)	**Vapor Density:**	>1 (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 combustible materials, acids, alkalis, oxidizing agent, reactive halogens, and reactive metals.

Hazardous Decomposition Products

Burning may produce formaldehyde, peracetic acid, 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

Acetone (67-64-1)	Inhalation LC50 Rat 50100 mg/m3 8 h
***Mixture (108-10-1)**	Dermal LD50 Rabbit >16000 mg/kg; Inhalation LC50 Rat 8.2 mg/L 4 h; Oral LD50 Rat 2080 mg/kg
***Mixture (107-87-9)**	Oral LD50 Rat 1600 mg/kg

***Mixture (78-93-3)**	Inhalation LC50 Rat 23500 mg/m3 8 h
****Mixture (64741-89-5)**	Dermal LD50 Rabbit >5 g/kg; Inhalation LC50 Rat 2.18 mg/L 4 h; Oral LD50 Rat >5000 mg/kg
*****Mixture (108-65-6)**	Dermal LD50 Rabbit >5 g/kg; Oral LD50 Rat 8532 mg/kg
*****Mixture (110-19-0)**	Dermal LD50 Rabbit >17400 mg/kg; Oral LD50 Rat 13400 mg/kg
*****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 (123-86-4)**	Dermal LD50 Rabbit >17600 mg/kg; Inhalation LC50 Rat 390 ppm 4 h
*****Mixture (141-78-6)**	Dermal LD50 Rabbit >20 mL/kg; Inhalation LC50 Mouse 1500 ppm 4 h; Oral LD50 Rat 5620 mg/kg
******Mixture (75-65-0)**	Dermal LD50 Rabbit >2 g/kg; Inhalation LC50 Rat >10000 ppm 4 h; Oral LD50 Rat 2733 mg/kg
******Mixture (71-36-3)**	Dermal LD50 Rabbit 3400 mg/kg; Inhalation LC50 Rat 8000 ppm 4 h; Oral LD50 Rat 790 mg/kg
Ethyl 3-ethoxypropanoate (763-69-9)	Oral LD50 Rat 3200 mg/kg

Information on Likely Routes of Exposure

Inhalation

Toxic if inhaled .May cause irritation, nausea, vomiting, headache, dizziness, loss of coordination and central nervous system effects.

Ingestion

Aspiration hazard. Harmful if swallowed. May cause throat irritation, nausea, vomiting and diarrhea.

Skin Contact

Causes skin irritation.

Eye Contact

Causes serious eye damage.

Immediate Effects

Harmful if swallowed, toxic if inhaled, aspiration hazard, eye damage, skin irritation, central nervous system damage, liver damage, respiratory system damage, central nervous system depression, respiratory tract irritation.

Delayed Effects

Mutagenic effects, cancer, reproductive effects, central nervous system damage, kidney damage, liver damage, ear damage, blood disorders, respiratory system damage.

Irritation/Corrosivity

Eye damage, skin irritation, 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

Acetone (67-64-1)

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))

******Mixture (75-65-0)**

ACGIH: A4 - Not Classifiable as a Human Carcinogen

Germ Cell Mutagenicity

May cause genetic defects.

Teratogenicity

No information available for the product.

Reproductive Effects

Available data characterizes this substance as a reproductive hazard.

Specific Target Organ Effects - Single Exposure

Central nervous system, respiratory system, liver, central nervous system depression.

Specific Target Organ Effects - Repeated Exposure

Central nervous system, kidneys, liver, ears, blood, respiratory system.

Aspiration Hazard

Lung aspiration hazard if swallowed.

Medical Conditions Aggravated by Exposure

Blood disorders, central nervous system disorders, kidney disorders, liver disorders, nervous system disorders, respiratory disorders, skin disorders, eye disorders

* * * Section 12 - Ecological Information * * *

Ecotoxicity

Harmful to aquatic life.

Component Analysis - Ecotoxicity - Aquatic Toxicity

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 (108-10-1)**

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 (110-43-0)**

Duration/Test/Species	Concentration/Conditions	Notes
96 Hr LC50 Pimephales promelas	126 - 137 mg/L [flow-through]	

***Mixture (107-87-9)**

Duration/Test/Species	Concentration/Conditions	Notes
96 Hr LC50 Pimephales promelas	1190 - 1290 mg/L [flow-through]	

***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]	

****Mixture (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	

****Mixture (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	

*****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 (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 (75-65-0)**

Duration/Test/Species	Concentration/Conditions	Notes
96 Hr LC50 Pimephales promelas	6130 - 6700 mg/L [flow-through]	
72 Hr EC50 Desmodesmus subspicatus	>1000 mg/L	
48 Hr EC50 Daphnia magna	933 mg/L	
48 Hr EC50 Daphnia magna	4607 - 6577 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]	

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

USEPA Waste Code D001. Based on available 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 of in accordance with all applicable federal, state 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 60 WT%; 4 LB/US gallon; 500g/l (maximum)
As per 40 CFR Part 51.100(s).
Photochemically reactive (up to 60% by volume)
VOC VP = 108 mmHg @ 68°F (20°C) (approx.)
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.

***Mixture (108-10-1)**	1.0 % de minimis concentration
****Mixture (75-65-0)**	1.0 % de minimis concentration
****Mixture (71-36-3)**	1.0 % 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):

Acetone (67-64-1)	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
****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 (71-36-3)**	5000 lb final RQ; 2270 kg final RQ

TSCA Inventory

All the components of these products 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
Aromatic Hydrocarbons	63231-51-6	No
Acetone	67-64-1	Yes

*Mixture	108-10-1	Yes
*Mixture	110-43-0	Yes
*Mixture	107-87-9	Yes
*Mixture	78-93-3	Yes
**Mixture	64741-89-5	Yes
**Mixture	8030-30-6	Yes
***Mixture	108-65-6	Yes
***Mixture	110-19-0	Yes
***Mixture	108-21-4	Yes
***Mixture	123-86-4	Yes
***Mixture	141-78-6	Yes
Alcohols, C1-3	68475-56-9	Yes
****Mixture	75-65-0	Yes
****Mixture	71-36-3	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
Acetone	67-64-1	Yes	Yes	Yes	Yes	Yes
*Mixture	108-10-1	Yes	Yes	Yes	Yes	Yes
*Mixture	110-43-0	Yes	Yes	Yes	Yes	Yes
*Mixture	107-87-9	Yes	Yes	Yes	Yes	Yes
*Mixture	78-93-3	Yes	Yes	Yes	Yes	Yes
**Mixture	64741-89-5	No	Yes	No	No	No
**Mixture	8030-30-6	Yes	Yes	Yes	Yes	Yes
***Mixture	110-19-0	Yes	Yes	Yes	Yes	Yes
***Mixture	108-21-4	Yes	Yes	Yes	Yes	Yes
***Mixture	123-86-4	Yes	Yes	Yes	Yes	Yes
***Mixture	141-78-6	Yes	Yes	Yes	Yes	Yes
****Mixture	75-65-0	Yes	Yes	Yes	Yes	Yes
****Mixture	71-36-3	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 MSDS contains all information required by the CPR.

Component Analysis

Component	CAS #	CAN
*Mixture	63231-51-6	No
Acetone	67-64-1	DSL
*Mixture	108-10-1	DSL
*Mixture	110-43-0	DSL
*Mixture	107-87-9	DSL
*Mixture	78-93-3	DSL
**Mixture	64741-89-5	DSL
**Mixture	8030-30-6	DSL
***Mixture	108-65-6	DSL
***Mixture	110-19-0	DSL
***Mixture	108-21-4	DSL

***Mixture	123-86-4	DSL
***Mixture	141-78-6	DSL
Alcohols, C1-3	68475-56-9	NSL
****Mixture	75-65-0	DSL
****Mixture	71-36-3	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:

Acetone (67-64-1) 1 %
***Mixture (108-10-1)** 1 %
***Mixture (110-43-0)** 1 %
***Mixture (107-87-9)** 1 %
***Mixture (78-93-3)** 1 %
*****Mixture (110-19-0)** 1 %
*****Mixture (108-21-4)** 1 %
*****Mixture (123-86-4)** 1 %
*****Mixture (141-78-6)** 1 %
******Mixture (75-65-0)** 1 %
******Mixture (71-36-3)** 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; ADR - European Road Transport; AU - Australia; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CAS - Chemical Abstracts Service; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CN - China; CPR - Controlled Products Regulations; DFG - Deutsche Forschungsgemeinschaft; DOT - Department of Transportation; DSL - Domestic Substances List; EEC - European Economic Community; EINECS - European Inventory of Existing Commercial Chemical Substances; EPA - Environmental Protection Agency; EU - European Union; F - Fahrenheit; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; ICAO - International Civil Aviation Organization; IDL - Ingredient Disclosure List; IMDG - International Maritime Dangerous Goods; JP - Japan; Kow - Octanol/water partition coefficient; KR - Korea; LEL - Lower Explosive Limit; LOLI - List Of LIsts™ - ChemADVISOR's Regulatory Database; MAK - Maximum Concentration Value in the Workplace; MEL - Maximum Exposure Limits; NFPA - National Fire Protection Agency; NIOSH - National Institute for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; NTP - National Toxicology Program; NZ - New Zealand; OSHA - Occupational Safety and Health Administration; PH - Philippines; RCRA - Resource Conservation and Recovery Act; RID - European Rail Transport; RTECS - Registry of Toxic Effects of Chemical Substances®; SARA - Superfund Amendments and Reauthorization Act; STEL - Short-term Exposure Limit; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act; TWA - Time Weighted Average; UEL - Upper Explosive Limit; US - United States

Disclaimer

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

End of Sheet 82509