



SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: SELLER SOLVENT

SYNONYMS: None.

PRODUCT CODE: 1021833, 1024833

PRODUCT USE: Coating and solvent applications.
If this product is used in combination with other products, refer to the Material Safety Data Sheet for those products.

This number is for emergency use only. If you desire non-emergency product information, please call a phone number listed below.

**24-HOUR EMERGENCY PHONE NUMBER
MEDICAL AND TRANSPORTATION (SPILL):**

1-800-468-1760

SUPPLIER: Safety-Kleen Systems, Inc.
5400 Legacy Drive
Cluster II, Building 3
Plano, Texas 75024
USA
1-800-669-5740
www.Safety-Kleen.com

TECHNICAL INFORMATION: 1-800-669-5740 Press 1 then 1, then Extension 7500

MSDS FORM NUMBER: 82350

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PREPARED BY: Product MSDS Coordinator

APPROVED BY: MSDS Task Force

SECTION 2: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

APPEARANCE

Liquid, clear, pale yellow, mild odor.

DANGER!

PHYSICAL HAZARDS

Extremely flammable liquid and vapor.
Vapor may cause flash fire.

HEALTH HAZARDS

May irritate the respiratory tract (nose, throat, and lungs), and skin.
May be severely irritating to the eyes.
May be harmful if swallowed.
May be harmful if absorbed through skin.
May be harmful if inhaled.
Contains material which may cause birth defects.
Suspect cancer hazard. Contains material which may cause cancer. Risk of cancer depends on duration and level of exposure.
Contains material which may cause heart, liver, kidney and central nervous system damage.

ENVIRONMENTAL HAZARDS

Toxic to fish.

POTENTIAL HEALTH EFFECTS

INHALATION (BREATHING): High concentrations of vapor or mist may be harmful if inhaled. High concentrations of vapor or mist may irritate the respiratory tract (nose, throat, and lungs). High concentrations of vapor or mist may cause nausea, vomiting, headaches, dizziness, loss of coordination, numbness, and other central nervous system effects. Massive acute overexposure may cause rapid central nervous system depression, sudden collapse, coma, and/or death.

EYES: May be severely irritating to the eyes.

SKIN: May cause irritation leading to dermatitis or blistering. 2-butoxyethanol, hexane, n-butyl alcohol, toluene, and methanol may be absorbed through the skin and cause harm as noted under **INHALATION (BREATHING)**.

INGESTION (SWALLOWING): May be harmful if swallowed. May cause throat irritation, nausea, vomiting, and central nervous system effects as noted under **INHALATION (BREATHING)**. Breathing product into the lungs during ingestion or vomiting may cause lung injury and possible death.

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

CHRONIC: Prolonged or repeated inhalation may cause toxic effects as noted under **INHALATION (BREATHING)**. Prolonged or repeated eye contact may cause inflammation of the membrane lining the eyelids and covering the eyeball (conjunctivitis). Prolonged or repeated skin contact may cause drying, cracking, redness, itching, and/or swelling (dermatitis). Prolonged or repeated inhalation may cause heart, liver, central nervous system, and kidney damage. Prolonged or repeated exposure may have reproductive toxicity, teratogenic, or mutagenic effects.

CANCER INFORMATION: This product contains ethyl benzene, methylene chloride, and 2-butoxyethanol which may cause cancer. Risk of cancer depends on duration and level of exposure. For more information, see **SECTION 11: CARCINOGENICITY**.

Also see **SECTION 15: CALIFORNIA**.

POTENTIAL ENVIRONMENTAL EFFECTS
 Toxic to fish. See **SECTION 12: ECOLOGICAL INFORMATION**.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Component	Synonyms	Percent
108-88-3	Toluene	Methylbenzene	0-63*
141-78-6	Ethylacetate	Acetic acid ethyl ester	0-63*
110-19-0	Isobutyl acetate	Methyl propyl acetate, 2-	0-63*
109-60-4	n-Propyl acetate	1-Acetoxypropane	0-63*
108-65-6	Propylene glycol monomethyl ether acetate	Methoxy-2-propanol acetate, 1-	0-63*
64742-47-8	Petroleum distillates, hydrotreated light	Solvent naphtha (petroleum)	0-63*
110-54-3	Hexane	n-Hexane	0-63*
108-10-1	Methylisobutyl ketone	Hexone	0-63*
108-21-4	Isopropyl acetate	Acetoxypropane, 2-	0-63*
67-64-1	Acetone	Dimethyl ketone	0-63*
1330-20-7	Xylenes (o-, m-, p- isomers)	Dimethylbenzene	0-63*
123-86-4	n-Butyl acetate	Butyl ethanoate	0-63*
111-76-2	2-Butoxyethanol	Butyl cellosolve	0-63*
142-82-5	Heptane (n-)	Heptane	0-63*
78-93-3	Methyl ethyl ketone	Butanone, 2-	0-63*
100-41-4	Ethyl benzene	Phenylethane	0-63*
71-36-3	n-Butyl alcohol	Butanol	0-10*
67-63-0	Isopropyl alcohol	Isopropanol	0-10*
64-17-5	Ethyl alcohol	Ethanol	0-10*
67-56-1	Methyl alcohol	Methanol	0-4*
75-09-2	Methylene chloride	Dichloromethane	0.1-1

Component Related Regulatory Information

This product may be regulated, have exposure limits or other information identified as the following: Butyl acetates, Ketones, liquid, n.o.s..

*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.

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SECTION 4: FIRST AID MEASURES

INHALATION (BREATHING):	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Oxygen should only be administered by qualified personnel. Someone should stay with victim. Get medical attention if breathing difficulty persists.
EYES:	If irritation or redness from exposure to vapor develops, move away from exposure into fresh air. Upon contact, immediately flush eyes with plenty of lukewarm water, holding eyelids apart, for 15 minutes. Get medical attention.
SKIN:	Remove affected clothing and shoes. Wash skin thoroughly with soap and water. Get medical attention if irritation or pain develops or persists.
INGESTION (SWALLOWING):	Do NOT induce vomiting. Immediately get medical attention. Call 1-800-468-1760 for additional information. If spontaneous vomiting occurs, keep head below hips to avoid breathing the product into the lungs. Never give anything by mouth to an unconscious person.
NOTE TO PHYSICIANS:	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

HAZARDOUS COMBUSTION PRODUCTS:	Decomposition and combustion materials may be toxic. Burning may produce phosgene, chlorides, chloroacetylenes, formaldehyde, peracetic acid, carbon monoxide and unidentified organic compounds.
CONDITIONS OF FLAMMABILITY:	Heat, sparks, or flame.
PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:	Firefighters should wear full-face, self-contained breathing apparatus and impervious protective clothing. Firefighters should avoid inhaling any combustion products.
EXTINGUISHING MEDIA:	Carbon dioxide, alcohol-resistant foam, dry chemical, water spray, or water fog.

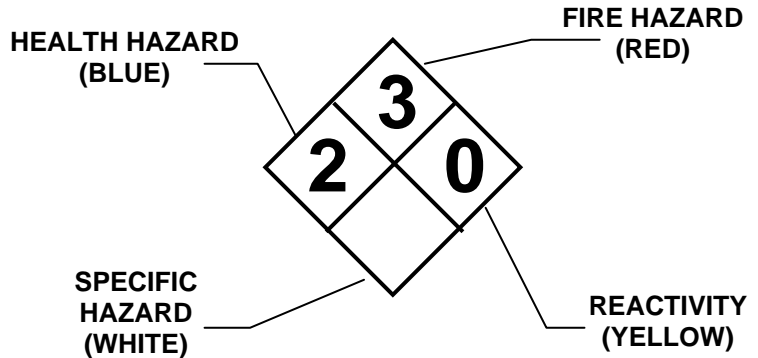
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NFPA 704

HAZARD IDENTIFICATION:

This information is intended solely for the use by individuals trained in this system.



FIRE FIGHTING INSTRUCTIONS:

Keep storage containers cool with water spray. A positive-pressure, self-contained breathing apparatus (SCBA) and full-body protective equipment are required for fire emergencies.

FIRE AND EXPLOSION HAZARDS:

Vapor explosion hazard indoors, outdoors, or in sewers. Vapor may travel to ignition source and flashback. Vapors will spread along the ground and collect in low or confined areas. Run-off to sewer may create a fire or explosion hazard. Heated containers may rupture, explode, or be thrown into the air. "Empty" containers may retain residue and can be dangerous. Products are not sensitive to mechanical impact. Product may be sensitive to static discharge, which could result in fire or explosion.

SECTION 6: ACCIDENTAL RELEASE MEASURES

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, spark proof 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**.

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SECTION 7: HANDLING AND STORAGE

HANDLING: Keep away from heat, sparks, or flame. Where flammable mixtures may be present, equipment safe for such locations should be used. Use clean, spark proof 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.

SHIPPING AND STORING: Keep container tightly closed when not in use and during transport. Store containers in a cool, dry place. Do not pressurize, cut, weld, braze, solder, drill, or grind containers. Keep containers away from heat, flame, sparks, static electricity, or other sources of ignition; containers may explode and cause injury or death. Empty product containers may retain product residue and can be dangerous. See **SECTION 14: TRANSPORTATION INFORMATION** for Packing Group information.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE GUIDELINES:

Component Exposure Limits

Ethyl benzene (100-41-4)

ACGIH: 100 ppm TWA
125 ppm STEL
OSHA: 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

Methylisobutyl ketone (108-10-1)

ACGIH: 50 ppm TWA
75 ppm STEL
OSHA: 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

Isopropyl acetate (108-21-4)

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

Toluene (108-88-3)

ACGIH: 50 ppm TWA
Skin - potential significant contribution to overall exposure by the cutaneous route
OSHA: 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

n-Propyl acetate (109-60-4)

ACGIH: 200 ppm TWA
250 ppm STEL
OSHA: 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

Isobutyl acetate (110-19-0)

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

Hexane (110-54-3)

ACGIH: 50 ppm TWA
Skin - potential significant contribution to overall exposure by the cutaneous route
OSHA: 50 ppm TWA; 180 mg/m3 TWA
NIOSH: 50 ppm TWA; 180 mg/m3 TWA

2-Butoxyethanol (111-76-2)

ACGIH: 20 ppm TWA
OSHA: 25 ppm TWA; 120 mg/m3 TWA
Prevent or reduce skin absorption
NIOSH: 5 ppm TWA; 24 mg/m3 TWA
Potential for dermal absorption

n-Butyl acetate (123-86-4)

ACGIH: 150 ppm TWA
200 ppm STEL
OSHA: 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

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

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

Ethylacetate (141-78-6)

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

Heptane (n-) (142-82-5)

ACGIH: 400 ppm TWA
500 ppm STEL
OSHA: 400 ppm TWA; 1600 mg/m3 TWA
500 ppm STEL; 2000 mg/m3 STEL
NIOSH: 85 ppm TWA; 350 mg/m3 TWA
440 ppm Ceiling (15 min); 1800 mg/m3 Ceiling (15 min)

Acetone (67-64-1)

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

Methyl ethyl ketone (78-93-3)

ACGIH: 200 ppm TWA
300 ppm STEL
OSHA: 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

Ethyl alcohol (64-17-5)

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

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n-Butyl alcohol (71-36-3)

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

Isopropyl alcohol (67-63-0)

ACGIH: 200 ppm TWA
400 ppm STEL
OSHA: 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

Methyl alcohol (67-56-1)

ACGIH: 200 ppm TWA
250 ppm STEL
Skin - potential significant contribution to overall exposure by the cutaneous route
OSHA: 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

Methylene chloride (75-09-2)

ACGIH: 50 ppm TWA
OSHA: 25 ppm TWA (8 hr); 125 ppm STEL (15 min); 12.5 ppm Action Level (See 29 CFR 1910.1052)

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.

PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY PROTECTION: Use NIOSH-certified, air-supplier respirators (self-contained breathing apparatus or air-line) where concentrations of methanol 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.

EYE PROTECTION: Wearing chemical goggles is recommended. Contact lenses may be worn with eye protection.

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SKIN PROTECTION: Where skin contact is likely, wear polyvinyl alcohol (PVA), laminate (Ansell Edmont Barrier®, North Silver Shield®, Safety 4 4h®) 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 face shield, boots, apron, whole body suits, or other protective clothing.

PERSONAL HYGIENE: Use good personal hygiene. Wash thoroughly with soap and water after handling product and before eating, drinking, or using tobacco products. Clean affected clothing, shoes, and protective equipment before reuse. Discard affected clothing, shoes, and/or protective equipment if they cannot be thoroughly cleaned. Discard leather articles, such as shoes, saturated with this product.

OTHER PROTECTIVE EQUIPMENT: METHYLENE CHLORIDE IS A SPECIFICALLY REGULATED MATERIAL (12.5 ppm Action Level – See 29 CFR 1910.1052). Where spills and splashes are likely, facilities storing or using this product should be equipped with an emergency eyewash and shower, both equipped with clean water, in the immediate work area.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE, APPEARANCE, AND ODOR: Liquid, clear, pale yellow, mild odor.

ODOR THRESHOLD: Not available.

MOLECULAR WEIGHT: 58 to 165

SPECIFIC GRAVITY: 0.7 to 0.9 (water = 1) (approximately)

DENSITY: 5.8 to 7.5 LB/US gal (700 to 900 g/L) (approximately)

VAPOR DENSITY: 2.0 to 4.3 (air = 1)

VAPOR PRESSURE: 400 mmHg at 75°F (24°C) (maximum)

BOILING POINT: 104 to 400°F (40 to 200°C) initial (approximately)

FREEZING/MELTING POINT: -2° to -173°F (-19° to -114°C) (maximum)

pH: Not applicable

EVAPORATION RATE: 27.5 (butyl acetate = 1) (maximum)

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SOLUBILITY IN WATER: Slight

FLASH POINT: 0°F (-18°C) Tag Closed Cup

FLAMMABLE LIMITS IN AIR: **LOWER:** Not available **UPPER:** Not available

AUTOIGNITION TEMPERATURE: Not available

% VOLATILE: 0 to 100 WT%; 0 to 7.5 LB/US gal (0 to 900 g/l)
As per 40 CFR Part 51.100(s).

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable under normal temperatures and pressures. Avoid heat, sparks, or flame.

CONDITIONS TO AVOID: Keep away from heat, ignition sources and incompatible materials.

INCOMPATIBILITY: Avoid acids, alkalies, oxidizing agents, reducing agents, reactive halogens, or reactive metals.

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

HAZARDOUS DECOMPOSITION PRODUCTS: None under normal temperatures and pressures. See also **SECTION 5: HAZARDOUS COMBUSTION PRODUCTS.**

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICITY DATA:

Component Analysis - LD50/LC50

Ethyl benzene (100-41-4)

Inhalation LC50 Rat: 17.2 mg/L/4H; Oral LD50 Rat: 3500 mg/kg; Dermal LD50 Rabbit: 15354 mg/kg

Methylisobutyl ketone (108-10-1)

Inhalation LC50 Rat: 8.2 mg/L/4H; Oral LD50 Rat: 2080 mg/kg; Dermal LD50 Rabbit: >16000 mg/kg

Isopropyl acetate (108-21-4)

Oral LD50 Rat: 6750 mg/kg; Dermal LD50 Rabbit: >20000 mg/kg

Propylene glycol monomethyl ether acetate (108-65-6)

Oral LD50 Rat: 8532 mg/kg; Dermal LD50 Rabbit: >5000 mg/kg

Toluene (108-88-3)

Inhalation LC50 Rat: 12.5 mg/L/4H; Inhalation LC50 Rat: >26700 ppm/1H; Oral LD50 Rat: 636 mg/kg; Dermal LD50 Rabbit: 8390 mg/kg

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n-Propyl acetate (109-60-4)

Oral LD50 Rat: 9370 mg/kg; Dermal LD50 Rabbit: >17760 mg/kg

Isobutyl acetate (110-19-0)

Oral LD50 Rat: 13400 mg/kg; Dermal LD50 Rabbit: >5000 mg/kg

Hexane (110-54-3)

Inhalation LC50 Rat: 48000 ppm/4H; Oral LD50 Rat: 28710 mg/kg; Dermal LD50 Rabbit: 3000 mg/kg

2-Butoxyethanol (111-76-2)

Inhalation LC50 Rat: 2.21 mg/L/4H; Inhalation LC50 Rat: 450 ppm/4H; Oral LD50 Rat: 470 mg/kg; Dermal LD50 Rat: 2270 mg/kg; Dermal LD50 Rabbit: 220 mg/kg

n-Butyl acetate (123-86-4)

Inhalation LC50 Rat: 390 ppm/4H; Oral LD50 Rat: 10768 mg/kg; Dermal LD50 Rabbit: >17600 mg/kg

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

Inhalation LC50 Rat: 5000 ppm/4H; Oral LD50 Rat: 4300 mg/kg; Dermal LD50 Rabbit: >1700 mg/kg

Ethylacetate (141-78-6)

Oral LD50 Rat: 5620 mg/kg; Dermal LD50 Rabbit: >20 mL/kg

Heptane (n-) (142-82-5)

Inhalation LC50 Rat: 103 g/m³/4H

Petroleum distillates, hydrotreated light (64742-47-8)

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

Acetone (67-64-1)

Inhalation LC50 Rat: 76 mg/L/4H; Oral LD50 Rat: 1800 mg/kg; Dermal LD50 Rabbit: 20000 mg/kg

Methyl ethyl ketone (78-93-3)

Inhalation LC50 Mouse: 32 g/m³/4H; Oral LD50 Rat: 2600 mg/kg; Dermal LD50 Rabbit: 6400 mg/kg

Ethyl alcohol (64-17-5)

Inhalation LC50 Rat: 124.7 mg/L/4H; Oral LD50 Rat: 1501 mg/kg

n-Butyl alcohol (71-36-3)

Inhalation LC50 Rat: >17.7 mg/L/4H; Inhalation LC50 Rat: 8000 ppm/4H; Oral LD50 Rat: 790 mg/kg; Dermal LD50 Rabbit: 3400 mg/kg

Isopropyl alcohol (67-63-0)

Inhalation LC50 Rat: 72.6 mg/L/4H; Oral LD50 Rat: 4396 mg/kg; Dermal LD50 Rat: 12800 mg/kg; Dermal LD50 Rabbit: 12800 mg/kg

Methyl alcohol (67-56-1)

Inhalation LC50 Rat: 83.2 mg/L/4H; Inhalation LC50 Rat: 64000 ppm/4H; Oral LD50 Rat: 5628 mg/kg; Dermal LD50 Rabbit: 15800 mg/kg

Methylene chloride (75-09-2)

Oral LD50 Rat: 1410 mg/kg; Dermal LD50 Rat: >2000 mg/kg

ACUTE EFFECTS:

Methylene chloride is metabolized in part to carbon monoxide and may cause elevations in carboxyhemoglobin in the blood.

REPEATED DOSE EFFECTS:

Based on best current information, there is no known human sensitization associated with this product.

Ethyl alcohol has demonstrated human effects of reproductive toxicity. 2-butoxyethanol, ethyl benzene, methylene chloride, and hexane have demonstrated animal effects of reproductive toxicity. Toluene, xylene, isopropanol, and methanol have demonstrated experimental effects of reproductive toxicity.

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Toluene, xylene, ethyl benzene, hexane, isopropanol, butanol, methanol have demonstrated experimental effects of mutagenicity. Ethanol and methylene chloride have demonstrated animal effects of mutagenicity.

Based on best current information, the other components listed in **SECTION 2** are not mutagens.

Also see **SECTION 15: CALIFORNIA**.

CARCINOGENICITY:

Ethyl benzene is categorized by ACGIH as an animal carcinogen (A3). Ethyl benzene is categorized by IARC as possibly carcinogenic to humans (Group 2B). 2-butoxyethanol is categorized by ACGIH as confirmed animal carcinogens with unknown relevance to humans (A3).

Methylene chloride is categorized by IARC as possibly carcinogenic to humans (Group 2B). Methylene chloride is listed by NTP as having limited evidence of carcinogenicity in humans or sufficient evidence of carcinogenicity in experimental animals.

Methylene chloride is categorized by ACGIH as a confirmed animal carcinogen with unknown relevance to humans (A3). This agent is carcinogenic in experimental animals at a relatively high dose, by route(s) of administration, at site(s), or histologic type(s), or by mechanism(s) that may not be relevant to worker exposure. Available epidemiologic studies do not confirm an increased risk of cancer in exposed humans. Available evidence does not suggest that the agent is likely to cause cancer in humans except under uncommon or unlikely routes or levels of exposure.

Based on best current information for the other components listed in **SECTION 2**, there is no known carcinogenicity as categorized by ACGIH A1 or A2 substances; as categorized by IARC Group 1, Group 2A, or Group 2B agents; or as listed by NTP as either known carcinogens or substances for which there is limited evidence of carcinogenicity in humans or sufficient evidence of carcinogenicity in experimental animals.

Also see **SECTION 3: CANCER INFORMATION** and **SECTION 15: CALIFORNIA**.

TARGET ORGAN
EFFECTS:

Heart, liver, kidney, eye, and central nervous system.

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SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY:

Toxic to fish.

Component Analysis - Ecotoxicity - Aquatic Toxicity

Ethyl benzene (100-41-4)

Test & Species	Concentration	Conditions
96 Hr LC50 rainbow trout	14.0 mg/L	static
96 Hr LC50 fathead minnow	9.09 mg/L	flow-through
96 Hr LC50 bluegill	150.0 mg/L	static

Methylisobutyl ketone (108-10-1)

Test & Species	Concentration	Conditions
96 Hr LC50 fathead minnow	505 mg/L	flow-through
24 Hr LC50 goldfish	460 mg/L	
96 Hr EC50 freshwater algae (Selenastrum capricornutum)	400 mg/L	

Toluene (108-88-3)

Test & Species	Concentration	Conditions
96 Hr LC50 fathead minnow (1 day old)	25 mg/L	flow-through
96 Hr LC50 rainbow trout	24.0 mg/L	static
96 Hr LC50 bluegill	24.0 mg/L	static
96 Hr LC50 fathead minnow	31.7 mg/L	flow-through

n-Propyl acetate (109-60-4)

Test & Species	Concentration	Conditions
96 Hr LC50 fathead minnow	60 mg/L	flow-through

Isobutyl acetate (110-19-0)

Test & Species	Concentration	Conditions
96 Hr LC50 bluegill	100 mg/L	static

Hexane (110-54-3)

Test & Species	Concentration	Conditions
96 Hr LC50 rainbow trout	4.14 mg/L	
96 Hr LC50 fathead minnow	2.5 mg/L	flow-through
96 Hr LC50 bluegill	4.12 mg/L	

2-Butoxyethanol (111-76-2)

Test & Species	Concentration	Conditions
96 Hr LC50 bluegill	1490 mg/L	static
24 Hr LC50 goldfish	1650 mg/L	

n-Butyl acetate (123-86-4)

Test & Species	Concentration	Conditions
96 Hr LC50 fathead minnow	18 mg/L	flow-through
96 Hr LC50 bluegill	100 mg/L	static
96 Hr EC50 freshwater algae (Scenedesmus subspicatus)	320 mg/L	

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

Test & Species	Concentration	Conditions
96 Hr LC50 fathead minnow	13.4 mg/L	flow-through
96 Hr LC50 rainbow trout	8.05 mg/L	flow-through
96 Hr LC50 bluegill	16.1 mg/L	flow-through

Ethylacetate (141-78-6)

Test & Species	Concentration	Conditions
96 Hr LC50 fathead minnow	230 mg/L	flow-through

Heptane (n-) (142-82-5)

Test & Species	Concentration	Conditions
24 Hr LC50 goldfish	4.0 mg/L	
24 Hr LC50 mosquito fish	4900 mg/L	
96 Hr LC50 cichlid fish	375.0 mg/L	

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Acetone (67-64-1)		
Test & Species		
96 Hr LC50 rainbow trout	5540 mg/L	Conditions static
96 Hr LC50 fathead minnow	6210 mg/L	flow-through
96 Hr LC50 bluegill	8300 mg/L	static
Methyl ethyl ketone (78-93-3)		
Test & Species		
96 Hr LC50 fathead minnow	3220 mg/L	Conditions flow-through
96 Hr LC50 bluegill	1690 mg/L	
Ethyl alcohol (64-17-5)		
Test & Species		
96 Hr LC50 rainbow trout (30 days old)	12900 mg/L	Conditions flow-through
24 Hr LC50 fingerling trout	11200 mg/L	
96 Hr LC50 fathead minnow	14200 mg/L	flow-through
n-Butyl alcohol (71-36-3)		
Test & Species		
96 Hr LC50 fathead minnow (33 days old)	1510 mg/L	Conditions static
Isopropyl alcohol (67-63-0)		
Test & Species		
96 Hr LC50 fathead minnow (29 days old)	94900 mg/L	Conditions flow-through
96 Hr LC50 fathead minnow (31 days old)	61200 mg/L	flow-through
Methyl alcohol (67-56-1)		
Test & Species		
96 Hr LC50 fathead minnow (28 days old)	29400 mg/L	Conditions flow-through
96 Hr LC50 rainbow trout (fingerling)	13 mg/L	
48 Hr LC50 trout	8000 mg/L	
Methylene chloride (75-09-2)		
Test & Species		
96 Hr LC50 fathead minnow	330 mg/L	Conditions flow-through
96 Hr LC50 rainbow trout	10.95 mg/L	flow-through
96 Hr LC50 bluegill	220 mg/L	static

**PERSISTENCE/
DEGRADABILITY:**

No information available for this product.

**BIOACCUMULATION/AC
CUMULATION:**

No information available for this product.

**MOBILITY IN
ENVIRONMENTAL
MEDIA:**

No information available for this product.

**OTHER ADVERSE
EFFECTS:**

No information available for this product.

**OCTANOL/WATER
PARTITION
COEFFICIENT:**

Not available.

**VOLATILE ORGANIC
COMPOUNDS:**

0 to 100 WT%; 0 to 7.5 LB/US gal (0 to 900 g/l)
As per 40 CFR Part 51.100(s).

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SECTION 13: DISPOSAL CONSIDERATIONS

DISPOSAL: 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.

USEPA WASTE CODE(S): If discarded, this product is considered a RCRA ignitable waste, D001. If recycled in the USA, it must be managed in accordance with 40 CFR Part 279. Processing, use, or contamination by the user may change the waste code(s) applicable to the disposal of this product.

SECTION 14: TRANSPORT INFORMATION

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

EMERGENCY RESPONSE GUIDE NUMBER: 128
Reference *North American Emergency Response Guidebook*

SECTION 15: REGULATORY INFORMATION

USA REGULATIONS

OSHA OSHA Regulated Chemicals
Ethyl benzene (100-41-4)
Present (Select Carcinogen)
Methylene chloride (75-09-2)
25 ppm TWA (8 hr); 125 ppm STEL (15 min); 12.5 ppm Action Level
(See 29 CFR 1910.1052) (Specifically Regulated Chemical)
Present (Select Carcinogen)

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SARA SECTIONS 302 AND 304: Based on the ingredients listed in **SECTION 2**, 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 SECTIONS 311 AND 312: 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
- Fire Hazard

SARA SECTION 313: This product does contain "toxic" chemicals 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.

Component Analysis

Ethyl benzene (100-41-4)

0.1 % de minimis concentration

Methylisobutyl ketone (108-10-1)

1.0 % de minimis concentration

Toluene (108-88-3)

1.0 % de minimis concentration

Hexane (110-54-3)

1.0 % de minimis concentration

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

1.0 % de minimis concentration

Methyl ethyl ketone (78-93-3)

1.0 % de minimis concentration

n-Butyl alcohol (71-36-3)

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)

Methyl alcohol (67-56-1)

1.0 % de minimis concentration

Methylene chloride (75-09-2)

0.1 % de minimis concentration

CERCLA: Based on the ingredients listed in SECTION 2, this product contains the following "hazardous substance(s)" 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):

Component Analysis

Ethyl benzene (100-41-4)

1000 lb final RQ; 454 kg final RQ

Methylisobutyl ketone (108-10-1)

5000 lb final RQ; 2270 kg final RQ

Toluene (108-88-3)

1000 lb final RQ; 454 kg final RQ

Isobutyl acetate (110-19-0)

5000 lb final RQ (listed under Butyl acetate);
2270 kg final RQ (listed under Butyl acetate)

Hexane (110-54-3)

5000 lb final RQ; 2270 kg final RQ

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n-Butyl acetate (123-86-4)	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
Ethylacetate (141-78-6)	5000 lb final RQ; 2270 kg final RQ
Acetone (67-64-1)	5000 lb final RQ; 2270 kg final RQ
Methyl ethyl ketone (78-93-3)	5000 lb final RQ; 2270 kg final RQ
n-Butyl alcohol (71-36-3)	5000 lb final RQ; 2270 kg final RQ
Methyl alcohol (67-56-1)	5000 lb final RQ; 2270 kg final RQ
Methylene chloride (75-09-2)	1000 lb final RQ; 454 kg final RQ

TSCA: 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.

CALIFORNIA: This product may contain a detectable amount of benzene CAS 71-43-2, methylene chloride CAS 75-09-2, trichloroethylene CAS 79-01-6, perchloroethylene CAS 127-18-4.
WARNING: These chemicals are known to the State of California to cause cancer.
This product contains detectable amounts of toluene CAS 108-88-3, benzene CAS 71-43-2 and ethyl alcohol CAS 64-17-5. WARNING: These chemicals are known to the State of California to cause birth defects or other reproductive harm.

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.

WHMIS: Class B2 - Flammable Liquid
Class D1B - Contains a component that is acutely lethal.
Class D2A - Contains component that may cause cancer.
Class D2B - Irritating to eyes and skin.

CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA): All the components of this product are listed on, or are automatically included as "substance occurring in nature" on, or are exempted from the requirements to be listed on, the Canadian Domestic Substances List (DSL).

SECTION 16. OTHER INFORMATION

REVISION INFORMATION: This material has been revised in the following sections:
Section 2: Composition
Section 11: Mutagenicity, Reproductive toxicity, Teratogenicity
Section 15: California

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LABEL/OTHER INFORMATION: Not available.

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, or 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.



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