

**Section 1 - PRODUCT AND COMPANY IDENTIFICATION****Material Name**

KENWORTH PURGE THINNER

**Product Code**

Not available.

**Synonyms**

None.

**Product Use**

Purge thinner. If this product is used in combination with other products, refer to the Safety Data Sheet for those products.

**Restrictions on Use**

None known.

**Details of the supplier of the safety data sheet**

Safety-Kleen Systems, Inc.  
42 Longwater Drive  
Norwell, MA 02061-9149

[www.safety-kleen.com](http://www.safety-kleen.com)

Phone: 1-800-669-5740

Emergency Phone #: 1-800-468-1760

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January 6, 2022

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April 4, 2012

**Section 2 - HAZARDS IDENTIFICATION****Classification in accordance with paragraph (d) of 29 CFR 1910.1200.**

Flammable Liquids - Category 2

Aspiration Hazard - Category 1

Acute Toxicity - Inhalation - Vapor - Category 3

Serious Eye Damage/Eye Irritation - Category 2A

Carcinogenicity - Category 1A

Reproductive Toxicity - Category 2

Specific Target Organ Toxicity - Single Exposure - Category 3 ( central nervous system )

Specific Target Organ Toxicity - Repeated Exposure - Category 1 ( ears )

**GHS Label Elements****Symbol(s)****Signal Word**

Danger

# Safety Data Sheet

Material Name: Kenworth Purge Thinner

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## Hazard Statement(s)

Highly flammable liquid and vapor.  
May be fatal if swallowed and enters airways.  
Toxic if inhaled.  
Causes serious eye irritation.  
May cause cancer.  
Suspected of damaging fertility or the unborn child.  
May cause drowsiness or dizziness.  
Causes damage to organs through prolonged or repeated exposure.

## Precautionary Statement(s)

### Prevention

Do not handle until all safety precautions have been read and understood. Keep container tightly closed. Keep away from heat/sparks/open flame/hot surfaces - No smoking. Ground/Bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Take precautionary measures against static discharge. Use only non-sparking tools. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. Do not breathe dust/fume/gas/mist/vapors/spray. Wear respiratory protection. Wash thoroughly after handling. Do not eat, drink or smoke when using this product.

### Response

In case of fire: Carbon dioxide, alcohol-resistant foam or dry chemical. IF exposed or concerned: Get medical advice/attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor. 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): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. Get medical attention if irritation develops or persists. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting.

### Storage

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

### Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations.

### Statement of Unknown Toxicity

54% of the mixture consists of ingredient(s) of unknown acute toxicity.

### Other Hazards

Repeated exposure may cause skin dryness or cracking.

## Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

CAS	Component Name	Percent
67-64-1	Acetone	60-65
64742-94-5	Solvent naphtha (petroleum), heavy arom.	15-18
64-17-5	Ethyl alcohol	12-17
78-93-3	Methyl Ethyl Ketone	0-15
1330-20-7	Xylenes	0-3
100-41-4	Benzene, ethyl-	0-3

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108-88-3	Toluene	0-3
110-43-0	Methyl n-amyl ketone	0-3
123-86-4	n-Butyl acetate	0-3
141-78-6	Acetate, ethyl	0-3
67-56-1	Methyl alcohol	0-3
67-63-0	Isopropyl alcohol	0-3

## Section 4 - FIRST AID MEASURES

### Inhalation

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

### Skin

IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. If irritation develops and persists, get medical 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. If eye irritation persists, get medical advice/attention.

### Ingestion

Do NOT induce vomiting. Immediately get medical attention. 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.

### Most Important Symptoms/Effects

#### Acute

Eye irritation, central nervous system depression, lung damage (from aspiration)

#### Delayed

Cancer, reproductive effects, ear damage

### Indication of any immediate medical attention and special treatment needed

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

### Extinguishing Media

#### Suitable Extinguishing Media

Carbon dioxide, alcohol-resistant foam or dry chemical

#### Unsuitable Extinguishing Media

None known.

### Special Hazards Arising from the Chemical

Highly flammable liquid and vapor. Vapors are heavier than air and may travel a considerable distance to a source of ignition and flashback. "Empty" containers may retain residue and can be dangerous. Product is not sensitive to mechanical impact. Product may be sensitive to static discharge, which could result in fire or explosion.

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## Hazardous Combustion Products

Decomposition and combustion materials may be toxic. Burning may produce carbon monoxide and unidentified organic compounds.

## Fire Fighting Measures

Move container from fire area if it can be done without risk. Cool containers with water spray until well after the 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. Withdraw immediately in case of rising sound from venting safety device or any discoloration of tanks due to fire. Let the fire burn. Avoid inhalation of material or combustion by-products.

## Special Protective Equipment and Precautions for Firefighters

A positive-pressure, self-contained breathing apparatus (SCBA) and full-body protective equipment are required for fire emergencies.

## Section 6 - ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment and Emergency Procedures

Wear personal protective clothing and equipment, see Section 8.

### Methods and Materials for Containment and Cleaning 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.

### Environmental Precautions

Avoid release to the environment.

## 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 and clothing. Do not smoke when using this product.

### Conditions for Safe Storage, Including any Incompatibilities

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

### Incompatible Materials

Acids, alkalis, oxidizing agents, nitrates, reducing agents, halogens, reactive metals.

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<b>Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION</b>
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### Component Exposure Limits

<b>Acetone</b>	<b>67-64-1</b>
ACGIH:	250 ppm TWA; 500 ppm STEL
NIOSH:	250 ppm TWA ; 590 mg/m3 TWA; 2500 ppm IDLH (10% LEL )
OSHA (US):	1000 ppm TWA ; 2400 mg/m3 TWA
<b>Ethyl alcohol</b>	<b>64-17-5</b>
ACGIH:	1000 ppm STEL
NIOSH:	1000 ppm TWA ; 1900 mg/m3 TWA; 3300 ppm IDLH (10% LEL )
OSHA (US):	1000 ppm TWA ; 1900 mg/m3 TWA
<b>Methyl ethyl ketone</b>	<b>78-93-3</b>
ACGIH:	200 ppm TWA; 300 ppm STEL
NIOSH:	200 ppm TWA ; 590 mg/m3 TWA; 300 ppm STEL ; 885 mg/m3 STEL; 3000 ppm IDLH
OSHA	200 ppm TWA ; 590 mg/m3 TWA
<b>Xylenes</b>	<b>1330-20-7</b>
ACGIH:	100 ppm TWA (related tom-Xylene); 150 ppm STEL (related tom-Xylene)
NIOSH:	100 ppm TWA ; 435 mg/m3 TWA (related tom-Xylene); 150 ppm STEL ; 655 mg/m3 STEL (related tom-Xylene); 900 ppm IDLH (related tom-Xylene)
OSHA (US):	100 ppm TWA ; 435 mg/m3 TWA (related to Xylenes (o-, m-, p- isomers))
<b>Benzene, ethyl-</b>	<b>100-41-4</b>
ACGIH:	20 ppm TWA
NIOSH:	100 ppm TWA ; 435 mg/m3 TWA; 125 ppm STEL ; 545 mg/m3 STEL; 800 ppm IDLH (10% LEL )
OSHA (US):	100 ppm TWA ; 435 mg/m3 TWA
<b>Toluene</b>	<b>108-88-3</b>
ACGIH:	20 ppm TWA
NIOSH:	100 ppm TWA ; 375 mg/m3 TWA; 150 ppm STEL ; 560 mg/m3 STEL; 500 ppm IDLH
OSHA (US):	200 ppm TWA; 300 ppm Ceiling
<b>Methyl n-amyl ketone</b>	<b>110-43-0</b>
ACGIH:	50 ppm TWA
NIOSH:	100 ppm TWA ; 465 mg/m3 TWA; 800 ppm IDLH
OSHA (US):	100 ppm TWA ; 465 mg/m3 TWA

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<b>n-Butyl acetate</b>	<b>123-86-4</b>
ACGIH:	50 ppm TWA; 150 ppm STEL
NIOSH:	150 ppm TWA ; 710 mg/m3 TWA; 200 ppm STEL ; 950 mg/m3 STEL; 1700 ppm IDLH (10% LEL )
OSHA (US):	150 ppm TWA ; 710 mg/m3 TWA
<b>Acetate, ethyl</b>	<b>141-78-6</b>
ACGIH:	400 ppm TWA
NIOSH:	400 ppm TWA ; 1400 mg/m3 TWA; 2000 ppm IDLH (10% LEL )
OSHA (US):	400 ppm TWA ; 1400 mg/m3 TWA
<b>Methyl alcohol</b>	<b>67-56-1</b>
ACGIH:	200 ppm TWA; 250 ppm STEL; Skin - potential significant contribution to overall exposure by the cutaneous route
NIOSH:	200 ppm TWA ; 260 mg/m3 TWA; 250 ppm STEL ; 325 mg/m3 STEL; Potential for dermal absorption 6000 ppm IDLH
OSHA (US):	200 ppm TWA ; 260 mg/m3 TWA
<b>Isopropyl alcohol</b>	<b>67-63-0</b>
ACGIH:	200 ppm TWA; 400 ppm STEL
NIOSH:	400 ppm TWA ; 980 mg/m3 TWA; 500 ppm STEL ; 1225 mg/m3 STEL; 2000 ppm IDLH (10% LEL )
OSHA (US):	400 ppm TWA ; 980 mg/m3 TWA

**EU - Occupational Exposure (98/24/EC) - Binding Biological Limit Values and Health Surveillance Measures**

There are no biological limit values for any of this product's components.

**ACGIH - Threshold Limit Values - Biological Exposure Indices (BEI)**

**Acetone (67-64-1)**

25 mg/L Medium: urine Time: end of shift Parameter: Acetone (nonspecific )

**Methyl ethyl ketone (78-93-3)**

2 mg/l Medium: urine Time: end of shift Parameter: MEK (nonspecific )

**Xylenes (1330-20-7)**

1.5 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids (related tom-Xylene)

**Benzene, ethyl- (100-41-4)**

0.15 g/g creatinine Medium: urine Time: end of shift Parameter: Sum of mandelic acid and phenylglyoxylic acid (nonspecific )

**Toluene (108-88-3)**

0.02 mg/L Medium: blood Time: prior to last shift of workweek Parameter: Toluene ; 0.03 mg/L Medium: urine Time: end of shift Parameter: Toluene ; 0.3 mg/g creatinine Medium: urine Time: end of shift Parameter: o-Cresol with hydrolysis (background )

**Methyl alcohol (67-56-1)**

15 mg/L Medium: urine Time: end of shift Parameter: Methanol (background, nonspecific )

**Isopropyl alcohol (67-63-0)**

40 mg/L Medium: urine Time: end of shift at end of workweek Parameter: Acetone (background, nonspecific )

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## 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 Protection Measures, such as Personal Protective Equipment

### Eye/face protection

Safety glasses with side shields should be worn at a minimum. Additional protection like goggles, face shields, or respirators may be needed dependent upon anticipated use and concentrations of mists or vapors. Provide an emergency eye wash fountain and quick drench shower in the immediate work area. Contact lens use is not recommended.

### Skin Protection

Wear appropriate chemical resistant clothing.

### Respiratory Protection

Use NIOSH-certified, air-supplied respirators (self-contained breathing apparatus or air-line) respiratory protective equipment when concentration 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.

### Glove Recommendations

Where skin contact is likely, wear chemical impervious 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.

### Protective Materials

Personal protective equipment should be selected based upon the conditions under which this material is used. A hazard assessment of the work area for PPE requirements should be conducted by a qualified professional pursuant to regulatory requirements. The following PPE should be considered the minimum required: Safety glasses, Gloves, and/or Lab coat or apron.

## Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	White liquid	<b>Physical State</b>	Liquid
<b>Odor</b>	Solvent odor	<b>Color</b>	White
<b>Odor Threshold</b>	20 ppm (Acetone )	<b>pH</b>	Not available
<b>Melting Point</b>	-95.4 °C (-140 °F Acetone )	<b>Boiling Point</b>	56.2 °C (133 °F Acetone )
<b>Freezing point</b>	Not available	<b>Evaporation Rate</b>	Not available
<b>Boiling Point Range</b>	Not available	<b>Flammability (solid, gas)</b>	Not available
<b>Autoignition</b>	540 °C (1004 °F Acetone )	<b>Flash Point</b>	-20 °C (-4 °F Acetone )
<b>Lower Explosive Limit</b>	Not available	<b>Decomposition temperature</b>	Not available
<b>Upper Explosive Limit</b>	Not available	<b>Vapor Pressure</b>	233 hPa at 20 °C (Acetone )
<b>Vapor Density (air=1)</b>	2 (Acetone Air = 1 )	<b>Specific Gravity (water=1)</b>	0.79 (Acetone )

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<b>Water Solubility</b>	Not available	<b>Partition coefficient: n-octanol/water</b>	Not available
<b>Viscosity</b>	Not available	<b>Solubility (Other)</b>	Not available
<b>Density</b>	Not available	<b>Physical Form</b>	liquid
<b>Molecular Weight</b>	Not available		

## Section 10 - STABILITY AND REACTIVITY

### Reactivity

No reactivity hazard is expected.

### Chemical Stability

Stable under normal temperatures and pressures.

### Possibility of Hazardous Reactions

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

### Conditions to Avoid

Avoid heat, flames, sparks and other sources of ignition. Avoid contact with incompatible materials.

### Incompatible Materials

Acids, alkalis, oxidizing agents, nitrates, reducing agents, halogens, reactive metals

### Hazardous decomposition products

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

## Section 11 - TOXICOLOGICAL INFORMATION

### Information on Likely Routes of Exposure

#### Inhalation

Irritation, headache, drowsiness, dizziness, loss of coordination, cancer, reproductive effects, lung damage (from aspiration)

#### Skin Contact

May be absorbed through the skin, irritation, dryness, redness, swelling

#### Eye Contact

Irritation

#### Ingestion

Irritation, lung damage (from aspiration), nausea, vomiting

### Acute and Chronic Toxicity

#### Component Analysis - LD50/LC50

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

##### Acetone (67-64-1)

Oral LD50 Rat 5800 mg/kg; Dermal LD50 Rabbit >15700 mg/kg; Inhalation LC50 Rat 50100 mg/m<sup>3</sup> 8 h

##### Naphtha (petroleum), heavy aromatic (64742-94-5)

Oral LD50 Rat >5000 mg/kg; Dermal LD50 Rabbit >2000 mg/kg; Inhalation LC50 Rat >590 mg/m<sup>3</sup> 4 h

##### Ethyl alcohol (64-17-5)

Oral LD50 Rat 7060 mg/kg; Inhalation LC50 Rat 116.9 mg/L 4 h (males )

##### Methyl ethyl ketone (78-93-3)

Oral LD50 Rat 2483 mg/kg; Dermal LD50 Rabbit 5000 mg/kg; Inhalation LC50 Rat 11700 ppm 4 h



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**Xylenes (1330-20-7)**

Oral LD50 Rat 5 g/kg (related to m-Xylene); Dermal LD50 Rabbit 14100 mg/kg (related to o-Xylene)  
 Inhalation LC50 Rat 4330 ppm 6 h (related to o-Xylene)

**Benzene, ethyl- (100-41-4)**

Oral LD50 Rat 3500 mg/kg; Dermal LD50 Rabbit 15400 mg/kg; Inhalation LC50 Rat 17.4 mg/L 4 h

**Toluene (108-88-3)**

Oral LD50 Rat 2600 mg/kg; Dermal LD50 Rabbit 12000 mg/kg; Inhalation LC50 Rat 12.5 mg/L 4 h

**Methyl n-amyl ketone (110-43-0)**

Oral LD50 Rat 1600 mg/kg; Dermal LD50 Rabbit 10300 mg/kg; Inhalation LC50 Rat 2000 - 4000 ppm 6 h

**n-Butyl acetate (123-86-4)**

Oral LD50 Rat 10768 mg/kg; Dermal LD50 Rabbit >17600 mg/kg; Inhalation LC50 Rat 0.74 mg/L 4 h

**Acetate, ethyl (141-78-6)**

Oral LD50 Rat 5620 mg/kg; Dermal LD50 Rabbit >18000 mg/kg; Inhalation LC50 Rat 4000 ppm 4 h

**Methyl alcohol (67-56-1)**

Oral LD50 Rat 6200 mg/kg; Dermal LD50 Rabbit 15840 mg/kg; Inhalation LC50 Rat 22500 ppm 8 h

**Isopropyl alcohol (67-63-0)**

Oral LD50 Rat 1870 mg/kg; Dermal LD50 Rabbit 4059 mg/kg; Inhalation LC50 Rat >10000 ppm 6 h (no deaths occurred )

**Immediate Effects**

Eye irritation, central nervous system depression, lung damage (from aspiration)

**Delayed Effects**

Cancer, reproductive effects, ear damage

**Irritation/Corrosivity Data**

Eye irritation

**Respiratory Sensitization**

No information available for the product.

**Dermal Sensitization**

No information available for the product.

**Component Carcinogenicity**

<b>Acetone</b>	<b>67-64-1</b>
ACGIH:	A4 - Not Classifiable as a Human Carcinogen
<b>Ethyl alcohol</b>	<b>64-17-5</b>
ACGIH:	A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans
DFG:	Category 5 (low carcinogenic potency )
<b>Xylenes</b>	<b>1330-20-7</b>
ACGIH:	A4 - Not Classifiable as a Human Carcinogen (related to m-Xylene)
IARC:	Monograph 71 [1999] (related to m-Xylene) (Group 3 (not classifiable))
<b>Benzene, ethyl-</b>	<b>100-41-4</b>
ACGIH:	A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans
IARC:	Monograph 77 [2000] (Group 2B (possibly carcinogenic to humans))

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DFG:	Category 4 (no significant contribution to human cancer )
OSHA:	Present
<b>Toluene</b>	<b>108-88-3</b>
ACGIH:	A4 - Not Classifiable as a Human Carcinogen
IARC:	Monograph 71 [1999] ; Monograph 47 [1989] (Group 3 (not classifiable))
<b>Isopropyl alcohol</b>	<b>67-63-0</b>
ACGIH:	A4 - Not Classifiable as a Human Carcinogen
IARC:	Monograph 71 [1999] ; Supplement 7 [1987] ; Monograph 15 [1977] (Group 3 (not classifiable))

**Germ Cell Mutagenicity**

Toluene, xylene, ethyl benzene, and acetone have demonstrated experimental effects of mutagenicity.

**Tumorigenic Data**

No data available

**Reproductive Toxicity**

Ethyl alcohol has demonstrated human effects of reproductive toxicity. Ethyl benzene and acetone have demonstrated animal effects of reproductive toxicity. Toluene and xylene have demonstrated experimental effects of reproductive toxicity. Based on best current information, the other components listed in SECTION 2 are not reproductive toxicants.

**Specific Target Organ Toxicity - Single Exposure**

May cause central nervous system depression.

**Specific Target Organ Toxicity - Repeated Exposure**

Prolonged or repeated inhalation or ingestion may cause liver, central nervous system, and kidney damage.

**Aspiration hazard**

Aspiration hazard.

**Medical Conditions Aggravated by Exposure**

Individuals with pre-existing eye, skin, liver, and kidneys and/or central nervous system disorders may have increased susceptibility to the effects of exposure.

**Section 12 - ECOLOGICAL INFORMATION**

**Component Analysis - Aquatic Toxicity**

<b>Acetone</b>	<b>67-64-1</b>
Fish:	LC50 96 h Oncorhynchus mykiss 4.74 - 6.33 mL/L; LC50 96 h Pimephales promelas 6210 - 8120 mg/L [static] ; LC50 96 h Lepomis macrochirus 8300 mg/L
Invertebrate:	EC50 48 h Daphnia magna 10294 - 17704 mg/L [Static] EPA ; EC50 48 h Daphnia magna 12600 - 12700 mg/L IUCLID
<b>Solvent naphtha (petroleum), heavy arom.</b>	<b>64742-94-5</b>

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Fish:	LC50 96 h Pimephales promelas 19 mg/L [static ]; LC50 96 h Oncorhynchus mykiss 2.34 mg/L; LC50 96 h Lepomis macrochirus 1740 mg/L [static ]; LC50 96 h Pimephales promelas 45 mg/L [flow-through ]; LC50 96 h Pimephales promelas 41 mg/L
Invertebrate:	EC50 48 h Daphnia magna 0.95 mg/L IUCLID
<b>Ethyl alcohol</b>	<b>64-17-5</b>
Fish:	LC50 96 h Oncorhynchus mykiss 12 - 16 mL/L [static ]; LC50 96 h Pimephales promelas >100 mg/L [static ]; LC50 96 h Pimephales promelas 13400 - 15100 mg/L [flow-through ]
Invertebrate:	LC50 48 h Daphnia magna 9268 - 14221 mg/L IUCLID ; EC50 48 h Daphnia magna 2 mg/L [Static ] EPA
<b>Methyl ethyl ketone</b>	<b>78-93-3</b>
Fish:	LC50 96 h Pimephales promelas 3130 - 3320 mg/L [flow-through ]
Invertebrate:	EC50 48 h Daphnia magna >520 mg/L IUCLID ; EC50 48 h Daphnia magna 5091 mg/L IUCLID ; EC50 48 h Daphnia magna 4025 - 6440 mg/L [Static ] EPA
<b>Xylenes</b>	<b>1330-20-7</b>
Fish:	LC50 96 h Pimephales promelas 14.3 - 18 mg/L [flow-through ]; LC50 96 h Oncorhynchus mykiss 8.4 mg/L [semi-static ]; LC50 96 h Poecilia reticulata 12.9 mg/L [semi-static ] (related tom-Xylene)
Algae:	EC50 72 h Pseudokirchneriella subcapitata 4.9 mg/L [static ] EPA (related tom-Xylene)
Invertebrate:	EC50 48 h Daphnia magna 2.81 - 5 mg/L [Static ] EPA (related tom-Xylene)
<b>Benzene, ethyl-</b>	<b>100-41-4</b>
Fish:	LC50 96 h Oncorhynchus mykiss 11 - 18 mg/L [static ]; LC50 96 h Oncorhynchus mykiss 4.2 mg/L [semi-static ]; LC50 96 h Pimephales promelas 7.55 - 11 mg/L [flow-through ]; LC50 96 h Lepomis macrochirus 32 mg/L [static ]; LC50 96 h Pimephales promelas 9.1 - 15.6 mg/L [static ]; LC50 96 h Poecilia reticulata 9.6 mg/L [static ]
Algae:	EC50 72 h Pseudokirchneriella subcapitata 4.6 mg/L IUCLID ; EC50 96 h Pseudokirchneriella subcapitata >438 mg/L IUCLID ; EC50 72 h Pseudokirchneriella subcapitata 2.6 - 11.3 mg/L [static ] EPA ; EC50 96 h Pseudokirchneriella subcapitata 1.7 - 7.6 mg/L [static ] EPA
Invertebrate:	EC50 48 h Daphnia magna 1.8 - 2.4 mg/L IUCLID
<b>Toluene</b>	<b>108-88-3</b>
Fish:	LC50 96 h Pimephales promelas 15.22 - 19.05 mg/L [flow-through ] (1 day old ); LC50 96 h Pimephales promelas 12.6 mg/L [static ]; LC50 96 h Oncorhynchus mykiss 5.89 - 7.81 mg/L [flow-through ]; LC50 96 h Oncorhynchus mykiss 14.1 - 17.16 mg/L [static ]; LC50 96 h Oncorhynchus mykiss 5.8 mg/L [semi-static ]; LC50 96 h Lepomis macrochirus 11 - 15 mg/L [static ]; LC50 96 h Oryzias latipes 54 mg/L [static ]; LC50 96 h Poecilia reticulata 28.2 mg/L [semi-static ]; LC50 96 h Poecilia reticulata 50.87 - 70.34 mg/L [static ]
Algae:	EC50 96 h Pseudokirchneriella subcapitata >433 mg/L IUCLID ; EC50 72 h Pseudokirchneriella subcapitata 12.5 mg/L [static ] EPA
Invertebrate:	EC50 48 h Daphnia magna 5.46 - 9.83 mg/L [Static ] EPA ; EC50 48 h Daphnia magna 11.5 mg/L IUCLID
<b>Methyl n-amyl ketone</b>	<b>110-43-0</b>
Fish:	LC50 96 h Pimephales promelas 126 - 137 mg/L [flow-through ]

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<b>n-Butyl acetate</b>	<b>123-86-4</b>
Fish:	LC50 96 h Lepomis macrochirus 100 mg/L [static ]; LC50 96 h Pimephales promelas 17 - 19 mg/L [flow-through ]
Algae:	EC50 72 h Desmodesmus subspicatus 674.7 mg/L IUCLID
<b>Acetate, ethyl</b>	<b>141-78-6</b>
Fish:	LC50 96 h Pimephales promelas 220 - 250 mg/L [flow-through ]; LC50 96 h Oncorhynchus mykiss 484 mg/L [flow-through ]; LC50 96 h Oncorhynchus mykiss 352 - 500 mg/L [semi-static ]
Invertebrate:	EC50 48 h Daphnia magna 560 mg/L [Static ] EPA
<b>Methyl alcohol</b>	<b>67-56-1</b>
Fish:	LC50 96 h Pimephales promelas 28200 mg/L [flow-through ]; LC50 96 h Pimephales promelas >100 mg/L [static ]; LC50 96 h Oncorhynchus mykiss 19500 - 20700 mg/L [flow-through ]; LC50 96 h Oncorhynchus mykiss 18 - 20 mL/L [static ]; LC50 96 h Lepomis macrochirus 13500 - 17600 mg/L [flow-through ]
<b>Isopropyl alcohol</b>	<b>67-63-0</b>
Fish:	LC50 96 h Pimephales promelas 9640 mg/L [flow-through ]; LC50 96 h Pimephales promelas 11130 mg/L [static ]; LC50 96 h Lepomis macrochirus >1400000 µg/L
Algae:	EC50 96 h Desmodesmus subspicatus >1000 mg/L IUCLID ; EC50 72 h Desmodesmus subspicatus >1000 mg/L IUCLID
Invertebrate:	EC50 48 h Daphnia magna 13299 mg/L IUCLID

### Section 13 - DISPOSAL CONSIDERATIONS

**Disposal Methods**

Dispose in accordance with all applicable 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

**US DOT Information:**

**Shipping Name:** PAINT RELATED MATERIAL

**Hazard Class:** 3

**UN/NA #:** UN1263

**Packing Group:** II

**Required Label(s):** 3

**IATA Information:**

**Shipping Name:** PAINT RELATED MATERIAL

**Hazard Class:** 3

**UN#:** UN1263

**Packing Group:** II

**Required Label(s):** 3

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**IMDG Information:**

**Shipping Name:** PAINT RELATED MATERIAL

**Hazard Class:** 3

**UN#:** UN1263

**Packing Group:** II

**Required Label(s):** 3

**TDG Information:**

**Shipping Name:** PAINT RELATED MATERIAL

**Hazard Class:** 3

**UN#:** UN1263

**Packing Group:** III

**Required Label(s):** 3

**Additional information**

128 Reference. North American Emergency Response Guidebook

**Section 15 - REGULATORY INFORMATION**

**U.S. Federal Regulations**

This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), and/or require an OSHA process safety plan.

<b>Acetone</b>	<b>67-64-1</b>
CERCLA:	5000 lb final RQ ; 2270 kg final RQ
<b>Methyl ethyl ketone</b>	<b>78-93-3</b>
CERCLA:	5000 lb final RQ ; 2270 kg final RQ
<b>Xylenes</b>	<b>1330-20-7</b>
SARA 313:	1 % de minimis concentration (related tom-Xylene)
CERCLA:	1000 lb final RQ ; 454 kg final RQ (related tom-Xylene)
<b>Benzene, ethyl-</b>	<b>100-41-4</b>
SARA 313:	0.1 % de minimis concentration
CERCLA:	1000 lb final RQ ; 454 kg final RQ
<b>Toluene</b>	<b>108-88-3</b>
SARA 313:	1 % de minimis concentration
CERCLA:	1000 lb final RQ ; 454 kg final RQ
<b>n-Butyl acetate</b>	<b>123-86-4</b>
CERCLA:	5000 lb final RQ ; 2270 kg final RQ
<b>Acetate, ethyl</b>	<b>141-78-6</b>
CERCLA:	5000 lb final RQ ; 2270 kg final RQ

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<b>Methyl alcohol</b>	<b>67-56-1</b>
SARA 313:	1 % de minimis concentration
CERCLA:	5000 lb final RQ ; 2270 kg final RQ
<b>Isopropyl alcohol</b>	<b>67-63-0</b>
SARA 313:	1 % de minimis concentration (only if manufactured by the strong acid process, no supplier notification )

Chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

CAS-No.	Name	Percent by Weight
1330-20-7	Xylenes	0-3
100-41-4	Benzene, ethyl	0-3
108-88-3	Toluene	0-3
67-56-1	Methyl alcohol	0-3
67-63-0	Isopropyl alcohol	0-3

**SARA Section 311/312 (40 CFR 370 Subparts B and C)**

**Acute Health: Yes Chronic Health: Yes Fire: Yes Pressure: No Reactivity: No**

**U.S. State Regulations**

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	CA	MA	MN	NJ	PA
<b>Acetone</b>	<b>67-64-1</b>	Yes	Yes	Yes	Yes	Yes
<b>Methyl ethyl ketone</b>	<b>78-93-3</b>	Yes	Yes	Yes	Yes	Yes
<b>Ethyl alcohol</b>	<b>64-17-5</b>	Yes	Yes	Yes	Yes	Yes
<b>Xylenes</b>	<b>1330-20-7</b>	Yes	Yes	Yes	Yes	Yes
<b>Benzene, ethyl-</b>	<b>100-41-4</b>	Yes	Yes	Yes	Yes	Yes
<b>Toluene</b>	<b>108-88-3</b>	Yes	Yes	Yes	Yes	Yes
<b>Methyl n-amyl ketone</b>	<b>110-43-0</b>	Yes	Yes	Yes	Yes	Yes
<b>n-Butyl acetate</b>	<b>123-86-4</b>	Yes	Yes	Yes	Yes	Yes
<b>Acetate, ethyl</b>	<b>141-78-6</b>	Yes	Yes	Yes	Yes	Yes
<b>Methyl alcohol</b>	<b>67-56-1</b>	Yes	Yes	Yes	Yes	Yes
<b>Isopropyl alcohol</b>	<b>67-63-0</b>	Yes	Yes	Yes	Yes	Yes

**The following statement(s) are provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):**

This product can expose you to chemicals including Ethyl alcohol, Benzene, ethyl- , which are known to the State of California to cause cancer and Ethyl alcohol, Toluene, Methyl alcohol , which are known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

<b>Ethyl alcohol</b>	<b>64-17-5</b>
Carc:	carcinogen , 4/29/2011 (in alcoholic beverages )
Repro/Dev. Tox	developmental toxicity , 10/1/1987 (in alcoholic beverages )

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<b>Benzene, ethyl-</b>	<b>100-41-4</b>
Carc:	carcinogen , 6/11/2004
<b>Toluene</b>	<b>108-88-3</b>
Repro/Dev. Tox	developmental toxicity , 1/1/1991
<b>Methyl alcohol</b>	<b>67-56-1</b>
Repro/Dev. Tox	developmental toxicity , 3/16/2012

**Component Analysis - Inventory**

**Acetone (67-64-1)**

US	CA	AU	CN	EU	JP - ENCS	JP - ISHL	KR KECI - Annex 1	KR KECI - Annex 2
Yes	DSL	Yes	Yes	EIN	Yes	Yes	Yes	No
KR - REACH CCA			MX	NZ	PH	TH-TECI	TW, CN	VN (Draft)
No			Yes	Yes	Yes	Yes	Yes	Yes

**Naphtha (petroleum), heavy aromatic (64742-94-5)**

US	CA	AU	CN	EU	JP - ENCS	JP - ISHL	KR KECI - Annex 1	KR KECI - Annex 2
Yes	DSL	Yes	Yes	EIN	No	No	Yes	No
KR - REACH CCA			MX	NZ	PH	TH-TECI	TW, CN	VN (Draft)
No			Yes	Yes	Yes	No	Yes	Yes

**Ethyl alcohol (64-17-5)**

US	CA	AU	CN	EU	JP - ENCS	JP - ISHL	KR KECI - Annex 1	KR KECI - Annex 2
Yes	DSL	Yes	Yes	EIN	Yes	Yes	Yes	No
KR - REACH CCA			MX	NZ	PH	TH-TECI	TW, CN	VN (Draft)
No			Yes	Yes	Yes	Yes	Yes	Yes

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**Methyl ethyl ketone (78-93-3)**

US	CA	AU	CN	EU	JP - ENCS	JP - ISHL	KR KECI - Annex 1	KR KECI - Annex 2
Yes	DSL	Yes	Yes	EIN	Yes	Yes	Yes	No
KR - REACH CCA			MX	NZ	PH	TH-TECI	TW, CN	VN (Draft)
Yes			Yes	Yes	Yes	Yes	Yes	Yes

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

US	CA	AU	CN	EU	JP - ENCS	JP - ISHL	KR KECI - Annex 1	KR KECI - Annex 2
Yes	DSL	Yes	Yes	EIN	Yes	Yes	Yes	No
KR - REACH CCA			MX	NZ	PH	TH-TECI	TW, CN	VN (Draft)
Yes			Yes	Yes	Yes	Yes	Yes	Yes

**Benzene, ethyl- (100-41-4)**

US	CA	AU	CN	EU	JP - ENCS	JP - ISHL	KR KECI - Annex 1	KR KECI - Annex 2
Yes	DSL	Yes	Yes	EIN	Yes	Yes	Yes	No
KR - REACH CCA			MX	NZ	PH	TH-TECI	TW, CN	VN (Draft)
No			Yes	Yes	Yes	Yes	Yes	Yes

**Toluene (108-88-3)**

US	CA	AU	CN	EU	JP - ENCS	JP - ISHL	KR KECI - Annex 1	KR KECI - Annex 2
Yes	DSL	Yes	Yes	EIN	Yes	Yes	Yes	No
KR - REACH CCA			MX	NZ	PH	TH-TECI	TW, CN	VN (Draft)
Yes			Yes	Yes	Yes	Yes	Yes	Yes



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**Methyl n-amyl ketone (110-43-0)**

US	CA	AU	CN	EU	JP - ENCS	JP - ISHL	KR KECI - Annex 1	KR KECI - Annex 2
Yes	DSL	Yes	Yes	EIN	Yes	Yes	Yes	No
KR - REACH CCA			MX	NZ	PH	TH-TECI	TW, CN	VN (Draft)
No			Yes	Yes	Yes	Yes	Yes	Yes

**n-Butyl acetate (123-86-4)**

US	CA	AU	CN	EU	JP - ENCS	JP - ISHL	KR KECI - Annex 1	KR KECI - Annex 2
Yes	DSL	Yes	Yes	EIN	Yes	Yes	Yes	No
KR - REACH CCA			MX	NZ	PH	TH-TECI	TW, CN	VN (Draft)
No			Yes	Yes	Yes	Yes	Yes	Yes

**Acetate, ethyl (141-78-6)**

US	CA	AU	CN	EU	JP - ENCS	JP - ISHL	KR KECI - Annex 1	KR KECI - Annex 2
Yes	DSL	Yes	Yes	EIN	Yes	Yes	Yes	No
KR - REACH CCA			MX	NZ	PH	TH-TECI	TW, CN	VN (Draft)
Yes			Yes	Yes	Yes	Yes	Yes	Yes

**Methyl alcohol (67-56-1)**

US	CA	AU	CN	EU	JP - ENCS	JP - ISHL	KR KECI - Annex 1	KR KECI - Annex 2
Yes	DSL	Yes	Yes	EIN	Yes	Yes	Yes	No
KR - REACH CCA			MX	NZ	PH	TH-TECI	TW, CN	VN (Draft)
Yes			Yes	Yes	Yes	Yes	Yes	Yes

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**Isopropyl alcohol (67-63-0)**

US	CA	AU	CN	EU	JP - ENCS	JP - ISHL	KR KECI - Annex 1	KR KECI - Annex 2
Yes	DSL	Yes	Yes	EIN	Yes	Yes	Yes	No
KR - REACH CCA			MX	NZ	PH	TH-TECI	TW, CN	VN (Draft)
No			Yes	Yes	Yes	Yes	Yes	Yes

**Further information**

WHMIS Classification: B2, D1B, D2A, D2B

<b>Section 16 - OTHER INFORMATION</b>
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**NFPA Ratings**

Health: 2 Fire: 3 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

**Summary of Changes**

Regulatory review and update. Update to Section 1 and addition to Section 15.

**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; CLP - Classification, Labelling, and Packaging; CN - China; CPR - Controlled Products Regulations; DFG - Deutsche Forschungsgemeinschaft; DOT - Department of Transportation; DSD - Dangerous Substance Directive; DSL - Domestic Substances List; EEC - European Economic Community; EINECS - European Inventory of Existing Commercial Chemical Substances; ENCS - Japan Existing and New Chemical Substance Inventory, 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; IDLH - Immediately Dangerous to Life and Health; IMDG - International Maritime Dangerous Goods; ISHL - Japan Industrial Safety and Health Law, JP - Japan; Kow - Octanol/water partition coefficient; KECI - Korea Existing Chemicals Inventory, KECL – Korea Existing Chemicals List, KR - Korea; LEL - Lower Explosive Limit; LLV - Level Limit Value; 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; REACH- Registration, Evaluation, Authorisation, and restriction of Chemicals; RID - European Rail Transport; SARA - Superfund Amendments and Reauthorization Act; STEL - Short-term Exposure Limit; TCCA – Korea Toxic Chemicals Control Act, TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act; TWA - Time Weighted Average; UEL - Upper Explosive Limit; US - United States.

**Other Information**

**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 supplied to the user.