## Section 1 - PRODUCT AND COMPANY IDENTIFICATION

**Material Name**
SAFETY-KLEEN IMMERSION CLEANER AND COLD PARTS CLEANER SOLVENT

**Product Code**
**50, 699, 6861, 9699**

**Synonyms**
None

**Product Use**
For cleaning carburetors and metal parts. If this product is used in combination with other products, refer to the Safety Data Sheet for those products. SDS for use in Canada and the U.S.

**Restrictions on Use**
THIS PRODUCT IS NOT FOR SALE OR USE IN THE STATE OF CALIFORNIA.

**MANUFACTURER/SUPPLIER**
Safety-Kleen Systems, Inc.
2600 North Central Expressway
Suite 200
Richardson, TX 75080
www.safety-kleen.com

**IMPORTER/DISTRIBUTOR**
Safety-Kleen Canada, Inc.
25 Regan Road
Brampton, Ontario, Canada L1A 1B2

Phone: 1-800-669-5740
Emergency Phone #: 1-800-468-1760

**Issue Date**
December 1, 2016

**Supersedes Issue Date**
September 2, 2014

**Original Issue Date**
December 1, 1989

## Section 2 - HAZARDS IDENTIFICATION

**Classification in accordance with Schedule 1 of Hazardous Products Regulations (HPR) (SOR/2015-17) and paragraph (d) of 29 CFR 1910.1200**

Flammable Liquids - Category 4
Aspiration Hazard - Category 1
Respiratory Sensitization – Category 1A
Acute Toxicity - Inhalation - Vapor - Category 2
Skin Corrosion/Irritation - Category 1
Serious Eye Damage/Eye Irritation - Category 1
Respiratory Sensitization - Category 1A
Skin Sensitization - Category 1A
Carcinogenicity - Category 2
Reproductive Toxicity - Category 1B
Specific Target Organ Toxicity - Single Exposure. - Category 1 (blood, eyes, liver, nervous and respiratory systems)
Specific Target Organ Toxicity - Single Exposure. - Category 3 (respiratory tract irritation)
Specific Target Organ Toxicity - Repeated Exposure. - Category 1 (adrenal gland, bone marrow, eyes, kidneys, liver, digestive, nervous, and respiratory systems, spleen, and testes)

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

**Signal Word**
Danger
**Hazard Statement(s)**

Combustible liquid.
May be fatal if swallowed and enters airways.
Fatal if inhaled.
Causes severe skin burns and eye damage.
May cause allergic or asthmatic symptoms or breathing difficulties if inhaled.
May cause allergic skin reaction.
Suspected of causing cancer.
May damage fertility or the unborn child.
May cause respiratory irritation.
Causes damage to blood, eyes, liver, and nervous and respiratory systems.
Causes damage to adrenal gland, blood, bone marrow, digestive system, eyes, kidneys, liver, nervous and respiratory systems, spleen, and testes through prolonged and repeated exposure.

**Precautionary Statement(s)**
**Prevention**

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use only outdoors or in a well-ventilated area. In case of inadequate ventilation wear respiratory protection. 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. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product.

**Response**

In case of fire: Use carbon dioxide, alcohol resistant foam, dry chemical, water spray, or water fog for extinction. 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 physician.
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 ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. IF SWALLOWED: Aspiration hazard. Do NOT induce vomiting. If vomiting occurs, keep head lower than hips to help prevent aspiration. Rinse mouth.Immediately call a POISON CENTER or doctor. Specific treatment is urgent.

**Storage**

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

**Disposal**

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

**Statement of Unknown Toxicity**

25.5% of the mixture consists of ingredient(s) of unknown acute toxicity.

**Other hazards**

None known.

## Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

| CAS | Component Name | Percent |
|---|---|---|
| 64742-94-5 | Solvent naphtha (petroleum), heavy arom. | 30-60 |
| 872-50-4 | 1-Methyl-2-pyrrolidone | 10-30 |
| 34590-94-8 | Dipropylene glycol monomethyl ether | 7-13 |
| 112-80-1 | Oleic acid | 5-10 |
| 141-43-5 | Ethanolamine | 3-7 |
| 91-20-3 | Naphthalene | 3-6 |

## Section 4 - FIRST AID MEASURES

**Inhalation**

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.

**Skin**

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

**Eyes**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. 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. Rinse mouth. Immediately call a POISON CENTER or doctor/physician. Call 1-800-468-1760 for additional information.

**Most Important Symptoms/Effects**

**Acute**

Fatal if inhaled, eye, skin, liver, nervous and respiratory system, spleen, and testes damage, blood system disorders, respiratory tract irritation, skin and respiratory sensitizer, aspiration hazard.

**Delayed**

Cancer, reproductive effects, skin and respiratory sensitizer.

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

Treat symptomatically and supportively.

## Section 5 - FIRE FIGHTING MEASURES

**Extinguishing Media**

**Suitable Extinguishing Media**

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

**Unsuitable Extinguishing Media**

Do not use high-pressure water streams.

**Special Hazards Arising from the Chemical**

Combustible liquid. The vapor is heavier than air. Vapors or gases may ignite at distant ignition sources and flash back. Run-off to sewer may create a fire hazard. Heated containers may rupture or be thrown into the air. Empty containers may retain product residue including flammable/explosive vapors. Product may be sensitive to static discharge, which could result in fire or explosion.

**Hazardous Combustion Products**

Decomposition and combustion materials may be toxic. Burning may produce nitrogen oxides, acid halides, carbon monoxide, and unidentified organic compounds.

**Fire Fighting Measures**

Keep away from sources of ignition - No Smoking. Keep unnecessary people away, isolate hazard area and deny entry. Move container from fire area if it can be done without risk. Cool containers with water spray until well after the fire is out. Fight fire from maximum distance or use unmanned hose holders or monitor nozzles. For massive fire, use unmanned hose holders or monitor nozzles; if this is impossible withdraw from area and let fire burn. Withdraw immediately in case of rising sound from venting safety device or any discoloration of tanks due to fire. Stay away from the ends of tanks. 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.

**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. Avoid release to the environment.

**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.

## 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 shoes. Do not smoke when using this product.

**Conditions for Safe Storage, Including any Incompatibilities**

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. Empty product containers may retain product residue and can be dangerous. See SECTION 14: TRANSPORTATION INFORMATION for Packing Group information.

**Incompatible Materials**

Strong oxidizing materials

## Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

**Component Exposure Limits**

| **1-Methyl-2-pyrrolidone** | **872-50-4** |
|---|---|
| Ontario | 400 mg/m3 TWA |
| Yukon | 100 ppm TWA ; 400 mg/m3 TWA; 125 ppm STEL ; 500 mg/m3 STEL |
| **Dipropylene glycol monomethyl ether** | **34590-94-8** |
| Alberta | 100 ppm TWA ; 606 mg/m3 TWA; 150 ppm STEL ; 909 mg/m3 STEL; Substance may be readily absorbed through intact skin |
| British Columbia; Northwest Territories; Nunavut; Ontario | 100 ppm TWA; Skin notation ; 150 ppm STEL |
| Manitoba | 100 ppm TWA; Skin - potential for cutaneous absorption; Skin - potential significant contribution to overall exposure by the cutaneous route |
| New Brunswick | 100 ppm TWA ; 606 mg/m3 TWA; 150 ppm STEL ; 909 mg/m3 STEL<br>Skin - potential for cutaneous absorption |
| Nova Scotia | 100 ppm TWA; 150 ppm STEL<br>Skin - potential significant contribution to overall exposure by the cutaneous route |
| Prince Edward Island | 100 ppm TWA; 150 ppm STEL |
| Quebec | 100 ppm TWAEV ; 606 mg/m3 TWAEV; 150 ppm STEV ; 909 mg/m3 STEV; Skin designation |
| Saskatchewan | 100 ppm TWA; 150 ppm STEL;Potentially harmful after absorption through skin or mucous membranes |
| ACGIH | 100 ppm TWA; 150 ppm STEL; Skin - potential significant contribution to overall exposure by the cutaneous route |
| OSHA Final | 100 ppm TWA; 600 mg/m3 TWA; prevent or reduce skin absorption |
| OSHA Vacated | 100 ppm TWA; 600 mg/m3 TWA; 150 ppm STEL; 900 mg/m3 STEL; Prevent or reduce skin absorption |
| NIOSH | 100 ppm TWA; 600 mg/m3 TWA; 150 ppm STEL; 900 mg/m3 STEL; Potential for dermal absorption |

| **Ethanolamine** | **141-43-5** |
|---|---|
| Alberta; New Brunswick | 3 ppm TWA ; 7.5 mg/m3 TWA; 6 ppm STEL ; 15 mg/m3 STEL |
| British Columbia; Northwest Territories; Nova Scotia; Nunavut; Ontario; Prince Edward Island; Saskatchewan | 3 ppm TWA; 6 ppm STEL |
| Manitoba | 3 ppm TWA |
| Quebec | 3 ppm TWAEV ; 7.5 mg/m3 TWAEV; 6 ppm STEV ; 15 mg/m3 STEV |
| Yukon | 3 ppm TWA ; 6 mg/m3 TWA; 6 ppm STEL ; 12 mg/m3 STEL |
| ACGIH | 3 ppm TWA; 6 ppm STEL |
| OSHA Final | 3 ppm TWA; 6 mg/m3 TWA |
| OSHA Vacated; NIOSH | 3 ppm TWA; 8 mg/m3 TWA; 6 ppm STEL; 15 mg/m3 STEL |
| **Naphthalene** | **91-20-3** |
| Alberta | 10 ppm TWA ; 52 mg/m3 TWA; 15 ppm STEL ; 79 mg/m3 STEL; Substance may be readily absorbed through intact skin |
| British Columbia; Northwest Territories; Nunavut; Ontario; Saskatchewan | 10 ppm TWA; Skin notation; 15 ppm STEL |
| Manitoba; Nova Scotia | 10 ppm TWA; Skin - potential significant contribution to overall exposure by the cutaneous route |
| New Brunswick | 10 ppm TWA ; 52 mg/m3 TWA; 15 ppm STEL ; 79 mg/m3 STEL |
| Prince Edward Island | 10 ppm TWA |
| Quebec | 10 ppm TWAEV ; 52 mg/m3 TWAEV; 15 ppm STEV ; 79 mg/m3 STEV |
| Yukon | 10 ppm TWA ; 50 mg/m3 TWA; 15 ppm STEL ; 75 mg/m3 STEL |
| ACGIH: | 10 ppm TWA Skin - potential significant contribution to overall exposure by the cutaneous route |
| OSHA Final | 3 ppm TWA; 50 mg/m3 TWA; |

| | |
|---|---|
| OSHA Vacated; NIOSH | 10 ppm TWA; 50 mg/m3 TWA; 15 ppm STEL; 75 mg/m3 STEL |

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

**1-Methyl-2-pyrrolidone (872-50-4)**

100 mg/L Medium: urine Time: end of shift Parameter: 5-Hydroxy-N-methyl-2-pyrrolidone

**Naphthalene (91-20-3)**

Time: end of shift Parameter: 1-Naphthol with hydrolysis plus 2-Naphthol with hydrolysis (nonquantitative, nonspecific)

**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**

Wear safety glasses. Additional protection like goggles, face shields, or respirators may be needed dependent upon anticipated use and concentrations of mists or vapors. Eye wash fountain and emergency showers are recommended. Contact lens use is not recommended.

**Skin Protection**

To avoid prolonged or repeated contact where spills and splashes are likely, wear appropriate chemical-resistant faceshield, boots, apron, coveralls, long sleeve shirts, or other protective clothing.

**Respiratory Protection**

Use NIOSH-certified, full-faced, air-purifying respiratory protective equipment with organic vapor cartridges when concentration of vapor or mist exceeds applicable exposure limits. Protection provided by air purifying respirators is limited. 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.

**Glove Recommendations**

Wear appropriate chemical resistant gloves.

**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 lab coat or apron.

## Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|---|---|---|---|
| **Appearance** | Clear and brown | **Physical State** | Liquid |
| **Odor** | Characteristic | **Color** | Brown. |
| **Odor Threshold** | Not available | **pH** | 11 |
| **Melting Point** | <-12 °C (10 °F ) | **Boiling Point** | 171 °C (340 °F Initial ) |
| **Boiling Point Range** | Not available | **Freezing point** | Not available |
| **Evaporation Rate** | 1 (Butyl acetate = 1 ) | **Flammability (solid, gas)** | Not available |
| **Autoignition Temperature** | 443 °C (829 °F Approximate ) | **Flash Point** | >60 °C (140 °F ) |

| | | | |
|---|---|---|---|
| **Lower Explosive Limit** | 0.8 vol% (Approximate ) | **Decomposition temperature** | Not available |
| **Upper Explosive Limit** | 7 vol% (Approximate ) | **Vapor Pressure** | <0.4 mmHg @ 68ºF °C (20º C ) |
| **Vapor Density (air=1)** | Not available | **Specific Gravity (water=1)** | 0.95 (Water = 1 ) |
| **Water Solubility** | (Complete ) | **Partition coefficient: n-octanol/water** | Not available |
| **Viscosity** | Not available | **Solubility (Other)** | Not available |
| **Density** | 7.9 lb/gal (US ) (950 g/l) | **Molecular Weight** | Not applicable |
| **Volatile Organic Compounds (As Regulated)** | 100 WT%; 7.9 LB/US gal; 950 g/l<br>As per U.S EPA 40 CFR 51.100(s)<br>VOC Vapor Pressure <1.0 mmHg @ 20°C<br>CONTAINS: Photochemically Reactive solvent 60% by volume<br>Consult your state or local air district regulations for location specific information. | | |

## Section 10 - STABILITY AND REACTIVITY

**Reactivity**

No reactivity hazard is expected.

**Chemical Stability**

Stable under normal temperatures and pressures.

**Possibility of Hazardous Reactions**

Will not polymerize.

**Conditions to Avoid**

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

**Incompatible Materials**

Acids, alkalies, oxidizing agents, reactive halogens, or reactive metals.

**Hazardous decomposition products**

Not applicable under normal conditions of use and storage. See also SECTION 5: HAZARDOUS COMBUSTION PRODUCTS.

## Section 11 - TOXICOLOGICAL INFORMATION

**Information on Likely Routes of Exposure**

**Inhalation**

Fatal by inhalation if concentrations in air approach component LC50 values. May cause respiratory tract irritation, allergy or asthma symptoms or breathing difficulties if inhaled.

**Skin Contact**

Causes severe skin burns and eye damage. May cause an allergic skin reaction.

**Eye Contact**

Causes serious eye damage.

**Ingestion**

May be fatal if swallowed and enters airways

**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:

**Solvent naphtha (petroleum), heavy arom. (64742-94-5)**
Oral LD50 Rat >5000 mg/kg; dermal LD50 Rabbit >2 mL/kg; Inhalation LC50 Rat >590 mg/m3 4 h
**1-Methyl-2-pyrrolidone (872-50-4)**
Oral LD50 Rat 3914 mg/kg; Dermal LD50 Rabbit 8 g/kg; Inhalation LC50 Rat >5.1 mg/L 4 h
**Dipropylene glycol monomethyl ether (34590-94-8)**
Oral LD50 Rat 5400 µL/kg; Dermal LD50 Rabbit 9500 mg/kg
**Oleic acid (112-80-1)**
Oral LD50 Rat 25 g/kg
**Ethanolamine (141-43-5)**
Oral LD50 Rat 1720 mg/kg; Dermal LD50 Rabbit 1000 mg/kg
**Naphthalene (91-20-3)**
Oral LD50 Rat 1110 mg/kg; Dermal LD50 Rabbit 1120 mg/kg; Inhalation LC50 Rat >340 mg/m3 1 h

**Product Toxicity Data**

**Acute Toxicity Estimate**

| | |
|---|---|
| Dermal | > 2000 mg/kg |
| Inhalation - Vapor | 0.6954 mg/L |
| Oral | > 2000 mg/kg |

**Immediate Effects**
Fatal if inhaled, eye, skin, liver, respiratory and nervous system damage, respiratory tract irritation, skin and respiratory sensitizer, aspiration hazard.

**Delayed Effects**
Adrenal gland effects, blood disorders, bone marrow effects, digestive system effects, eye damage, kidney damage, liver damage, nervous system damage, respiratory system damage, spleen damage, testes damage, reproductive effects, cancer, skin and respiratory sensitizer.

**Irritation/Corrosivity Data**
Causes eye and skin burns, respiratory tract irritation.

**Respiratory Sensitization**
May cause allergy or asthma symptoms or breathing difficulties if inhaled.

**Dermal Sensitization**
May cause an allergic skin reaction.

**Component Carcinogenicity**

| **Naphthalene** | **91-20-3** |
|---|---|
| ACGIH: | A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans |
| IARC: | Monograph 82 [2002] (Group 2B (possibly carcinogenic to humans)) |
| NTP: | Reasonably Anticipated To Be A Human Carcinogen |
| OSHA: | Present |

**Germ Cell Mutagenicity**
No significant adverse effects expected.

**Tumorigenic Data**
No data available

**Reproductive Toxicity**
Available data characterizes this substance as a reproductive hazard.

**Specific Target Organ Toxicity - Single Exposure**
Blood, eye, liver, nervous and respiratory system

**Specific Target Organ Toxicity - Repeated Exposure**

Adrenal glands, blood, bone marrow, digestive system, eye, kidneys, liver, nervous system, respiratory system, spleen, testes.

**Aspiration hazard**

This material is an aspiration hazard.

**Medical Conditions Aggravated by Exposure**

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

## Section 12 - ECOLOGICAL INFORMATION

**Ecotoxicity**

Very toxic to aquatic life with long lasting effects.

**Component Analysis - Aquatic Toxicity**

| | |
|---|---|
| **Solvent naphtha (petroleum), heavy arom.** | **64742-94-5** |
| 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 |
| **1-Methyl-2-pyrrolidone** | **872-50-4** |
| Fish: | LC50 96 h Lepomis macrochirus 832 mg/L [static ]; LC50 96 h Pimephales promelas 1072 mg/L [static ]; LC50 96 h Poecilia reticulata 1400 mg/L [static ] |
| Algae: | EC50 72 h Desmodesmus subspicatus >500 mg/L IUCLID |
| Invertebrate: | EC50 48 h Daphnia magna 4897 mg/L IUCLID |
| **Dipropylene glycol monomethyl ether** | **34590-94-8** |
| Fish: | LC50 96 h Pimephales promelas >10000 mg/L [static ] |
| Invertebrate: | LC50 48 h Daphnia magna 1919 mg/L IUCLID |
| **Oleic acid** | **112-80-1** |
| Fish: | LC50 96 h Pimephales promelas 205 mg/L [static ] |
| **Ethanolamine** | **141-43-5** |
| Fish: | LC50 96 h Pimephales promelas 227 mg/L [flow-through ]; LC50 96 h Brachydanio rerio 3684 mg/L [static ]; LC50 96 h Lepomis macrochirus 300 - 1000 mg/L [static ]; LC50 96 h Oncorhynchus mykiss 114 - 196 mg/L [static ]; LC50 96 |

| | |
|---|---|
| | h Oncorhynchus mykiss >200 mg/L [flow-through ] |
| Algae: | EC50 72 h Desmodesmus subspicatus 15 mg/L IUCLID |
| Invertebrate: | EC50 48 h Daphnia magna 65 mg/L IUCLID |
| **Naphthalene** | **91-20-3** |
| Fish: | LC50 96 h Pimephales promelas 5.74 - 6.44 mg/L [flow-through ]; LC50 96 h Oncorhynchus mykiss 1.6 mg/L [flow-through ]; LC50 96 h Oncorhynchus mykiss 0.91 - 2.82 mg/L [static ]; LC50 96 h Pimephales promelas 1.99 mg/L [static ]; LC50 96 h Lepomis macrochirus 31.0265 mg/L [static ] |
| Invertebrate: | LC50 48 h Daphnia magna 2.16 mg/L IUCLID ; EC50 48 h Daphnia magna 1.96 mg/L [Flow through ] EPA ; EC50 48 h Daphnia magna 1.09 - 3.4 mg/L [Static ] EPA |

**Invertebrate Toxicity**

No additional information is available.

**Persistence and Degradability**

No information available for the product.

**Bioaccumulative Potential**

No information available for the product.

**Mobility**

No information available for the product.

**Other Toxicity**

No additional information is available.

## Section 13 - DISPOSAL CONSIDERATIONS

**Component Waste Numbers**

The U.S. EPA has not published waste numbers for this product's components

**Disposal Methods**

Dispose in accordance with federal, state, provincial, and local regulations. Regulations may also apply to empty containers. The responsibility for proper waste disposal lies with the owner of the waste. Contact Safety-Kleen regarding proper recycling or disposal.

## Section 14 - TRANSPORT INFORMATION

**US DOT Information:**

**Shipping Name:** Corrosive liquid, basic, organic, n.o.s. (Contains: monothenolamine)
**Hazard Class:** 8; **UN/NA #:** UN3267; **Packing Group:** III; **Required Label(s):** CORROSIVE
**Additional information:** Marine pollutant.

**IATA Information:**

**Shipping Name:** CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.
**UN#:** UN3267
**Additional information:** Marine pollutant.

**TDG Information:**
**Shipping Name:** CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (monoethanolomine)
**Hazard Class:** 8; **UN#:** UN3267; **Packing Group:** III; **Required Label(s):** CORROSIVE
**Additional information:** Marine pollutant.
**Additional information**
Emergency Response Guide Number: 128: Reference: North American Emergency Response Guidebook

## Section 15 - REGULATORY INFORMATION

**Canada Regulations**
**CEPA - Priority Substances List**
None of this product's components are on the list.
**Ozone Depleting Substances**
None of this product's components are on the list
**Council of Ministers of the Environment - Soil Quality Guidelines**

| **Naphthalene** | **91-20-3** |
|---|---|
| Residential and Parkland | (consult factsheet ) |

**Council of Ministers of the Environment - Water Quality Guidelines**

| **Naphthalene** | **91-20-3** |
|---|---|
| Marine Aquatic Life | 1.4 µg/L |

**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.

| **1-Methyl-2-pyrrolidone** | **872-50-4** |
|---|---|
| SARA 313: | 1 % de minimis concentration |
| **Naphthalene** | **91-20-3** |
| SARA 313: | 0.1 % de minimis concentration |
| CERCLA: | 100 lb final RQ ; 45.4 kg final RQ |

**SARA Section 311/312 (40 CFR 370 Subparts B and C)**
**Acute Health:** Yes **Chronic Health:** Yes **Fire:** Yes **Pressure:** No **Reactivity:** No
**Component Analysis - Inventory**
**Solvent naphtha (petroleum), heavy arom. (64742-94-5), 1-Methyl-2-pyrrolidone (872-50-4); Dipropylene glycol monomethyl ether (34590-94-8); Oleic acid (112-80-1); Ethanolamine (141-43-5); Naphthalene (91-20-3)**

| US | CA |
|---|---|
| Yes | DSL |

**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 |
|---|---|---|---|---|---|---|
| 1-Methyl-2-pyrrolidone | 872-50-4 | No | Yes | No | Yes | Yes |
| Dipropylene glycol monomethyl ether | 34590-94-8 | Yes | Yes | Yes | Yes | Yes |
| Oleic acid | 112-80-1 | No | No | No | No | Yes |
| Ethanolamine | 141-43-5 | Yes | Yes | Yes | Yes | Yes |
| Naphthalene | 91-20-3 | Yes | Yes | Yes | Yes | Yes |

## Section 16 - OTHER INFORMATION

**NFPA Ratings:**

**Health:** 3 **Fire:** 2 **Reactivity:** 0

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

**Summary of Changes**

Revision to comply with WHMIS 2015.

**Key / Legend**

ACGIH - American Conference of Governmental Industrial Hygienists; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CA/MA/MN/NJ/PA - California/Massachusetts/Minnesota/New Jersey/Pennsylvania*; CAS - Chemical Abstracts Service; CFR - Code of Federal Regulations (US); CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CLP - Classification, Labelling, and Packaging; CPR - Controlled Products Regulations; DOT - Department of Transportation; DSL - Domestic Substances List; EPA - Environmental Protection Agency; F - Fahrenheit; IDL - Ingredient Disclosure List; IDLH - Immediately Dangerous to Life and Health; IMDG - International Maritime Dangerous Goods; 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; NDSL – Non-Domestic Substance List (Canada); NFPA - National Fire Protection Agency; NIOSH - National Institute for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; NTP - National Toxicology Program; OSHA - Occupational Safety and Health Administration; PEL- Permissible Exposure Limit; RCRA - Resource Conservation and Recovery Act; SARA - Superfund Amendments and Reauthorization Act; STEL - Short-term Exposure Limit; TDG - Transportation of Dangerous Goods; TLV - Threshold Limit Value; TSCA - Toxic Substances Control Act; TWA - Time Weighted Average; UEL - Upper Explosive Limit; UN/NA - United Nations /North American; US - United States; WHMIS - Workplace Hazardous Materials Information System (Canada)

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