** Section 1 - Chemical Product and Company Identification **

**Product Code:** 50, 699, 6861, 9699  
**Product Use:** For cleaning carburetors and metal parts. If this product is used in combination with other products, refer to the Material Safety Data Sheet for those products.  
**Synonyms:** None.  

Safety-Kleen Systems, Inc.  
2600 North Central Expressway  
Suite 400  
Richardson, TX 75080  
Phone: 1-800-669-5740  
Emergency # 1-800-468-1760  
www.safety-kleen.com

**Issue Date**  
October 4, 2012  
**Supersedes Issue Date**  
October 13, 2009  
**Original Issue Date**  
December 1, 1989  
PREPARED BY: Product MSDS Coordinator  
APPROVED BY: MSDS Task Force

---

**Section 2 - Hazardous Identification**

**EMERGENCY OVERVIEW**

**Appearance**  
Clear, brown liquid

**Signal Word**  
WARNING!

**Physical Hazards**  
Combustible liquid and vapor.

**Health Hazards**
- May be harmful if inhaled.  
- May burn eyes.  
- May burn skin.  
- May be harmful if absorbed through skin.  
- Harmful or fatal if swallowed.  
- May irritate the respiratory tract (nose, throat, and lungs).  
- Contains material which may cause cancer.  
- Contains material which may cause central nervous system, liver, kidney, lung, blood cell, eye, and skin damage.

**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**
- This product is severely irritating to the eyes and may cause eye burns.
Skin
May cause irritation, swelling, blistering, and/or burns. Dipropylene glycol monomethyl ether and naphthalene may be absorbed through the skin and cause harm as noted under **INHALATION (BREATHING)**.

Ingestion (Swallowing)
This product may be harmful or fatal if swallowed. May cause throat irritation, nausea, vomiting, and central nervous system effects as noted under **INHALATION (BREATHING)**, and/or heart injury. Monoethanolamine may burn mouth, throat, esophagus, and stomach. Breathing product into the lungs during ingestion or vomiting may cause lung injury and possible death.

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.

Chronic
Prolonged or repeated inhalation of monoethanolamine may cause inflammation and sores in the mouth; and bronchial and/or gastrointestinal disturbances. Prolonged or repeated inhalation of naphthalene may cause cataracts and/or corneal inflammation and sores. Prolonged or repeated exposure may have reproductive toxicity, teratogenic, or mutagenic effects. 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); and/or burns. Prolonged or repeated skin contact may cause drying, cracking, redness, itching, and/or swelling (dermatitis); and/or burns. Prolonged or repeated exposure may cause central nervous system, liver, kidney, lung, blood cell, eye, and skin damage.

Cancer Information
This product contains naphthalene which can cause cancer. Risk of cancer depends on duration and level of exposure. For more information, see **SECTION 11: CARCINOGENICITY**.
Also see **SECTION 15: CALIFORNIA**.

Environmental Hazards
Based upon components, product may be toxic to fish.; Based upon components, product may be toxic to fish. See **SECTION 12: ECOLOGICAL INFORMATION**.

### *** Section 3 - Composition / Information on Ingredients ***

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

### *** 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 immediate medical attention.
Skin
For skin contact, wash immediately with soap and water. Immediately remove contaminated clothing and shoes. Wash contaminated clothing before reuse. Call a physician immediately.

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.

Notes 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 nitrogen oxides, acid halides, carbon monoxide and unidentified organic compounds.

Conditions of Flammability
Heat, sparks, or flame.

Extinguishing Media
Carbon dioxide, alcohol-resistant foam, dry chemical, water spray, or water fog.

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

Fire Fighting Equipment/Instructions
Keep storage containers cool with water spray.

NFPA Ratings: Health: 2 Fire: 2 Reactivity: 0
Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

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 hazard. Heated containers may rupture. "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, 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 ***

Handling Procedures
Keep away from heat, sparks, or flame. Where flammable mixtures may be present, equipment safe for such locations should be used. Use clean, sparkproof tools and explosion-proof equipment. When transferring product, metal containers, including trucks and tank cars, should be grounded and bonded. Do not breathe vapor or mist. Use in a well ventilated area. Avoid contact with eyes, skin, clothing, and shoes. Do not smoke when using this product.

Shipping and Storing
Keep container tightly closed when not in use and during transport. 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.

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

Exposure Guidelines

Component Exposure Limits

** Dipropylene glycol monomethyl ether (34590-94-8)**

- **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)**

- **ACGIH:**
  - 3 ppm TWA
  - 6 ppm STEL

- **OSHA Final:**
  - 3 ppm TWA; 6 mg/m³ TWA

- **OSHA Vacated:**
  - 3 ppm TWA; 8 mg/m³ TWA
  - 6 ppm STEL; 15 mg/m³ STEL

- **NIOSH:**
  - 3 ppm TWA; 8 mg/m³ TWA
  - 6 ppm STEL; 15 mg/m³ STEL

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

- **ACGIH:**
  - 10 ppm TWA
  - 15 ppm STEL
  
  Skin - potential significant contribution to overall exposure by the cutaneous route

- **OSHA Final:**
  - 10 ppm TWA; 50 mg/m³ TWA

- **OSHA Vacated:**
  - 10 ppm TWA; 50 mg/m³ TWA
  - 15 ppm STEL; 75 mg/m³ STEL

- **NIOSH:**
  - 10 ppm TWA; 50 mg/m³ TWA
  - 15 ppm STEL; 75 mg/m³ STEL

** 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
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.

Personal Protective Equipment: Eyes/Face
Where eye contact is likely, wear chemical goggles; contact lens use is not recommended.

Personal Protective Equipment: Skin
Where skin contact is likely, chemical impervious protective gloves; use of natural rubber (latex) 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 Protective Equipment: 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 leather articles, such as shoes, saturated with this product.

Other Personal Protective Equipment
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 & Chemical Properties ***

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance/Odor</td>
<td>Liquid, clear and brown.</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>340°F (171°C) (initial)</td>
</tr>
<tr>
<td>Solubility (H2O)</td>
<td>Complete</td>
</tr>
<tr>
<td>Density</td>
<td>7.9 LB/US gal (950 g/l)</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>1 (butyl acetate = 1)</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Not available</td>
</tr>
<tr>
<td>LFL</td>
<td>0.8 VOL% (approximately)</td>
</tr>
<tr>
<td>UFL</td>
<td>7 VOL% (approximately)</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>&lt;0.4 mmHg at 68°F (20°C)</td>
</tr>
<tr>
<td>pH</td>
<td>11</td>
</tr>
<tr>
<td>Melting Point</td>
<td>&lt; 10°F (-12°C)</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>0.95 (water = 1)</td>
</tr>
<tr>
<td>Octanol/H2O Coeff.</td>
<td>Not available</td>
</tr>
<tr>
<td>Molecular Weight</td>
<td>Not available</td>
</tr>
<tr>
<td>Auto Ignition</td>
<td>829°F (443°C) (approximately)</td>
</tr>
<tr>
<td>Flash Point</td>
<td>&gt;140°F (60°C) Tag Closed Cup</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Not available</td>
</tr>
</tbody>
</table>

*** Section 10 - Chemical Stability & Reactivity Information ***

Stability
Stable under normal temperatures and pressures.

Incompatibility
Avoid acids, alkalies, oxidizing agents, reactive halogens, or reactive metals., Oleic acid can react with perchlorates or perchloric acid to form explosive products.

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.

Conditions To Avoid
Avoid heat, sparks, or flame and contact with incompatible materials.
*** Section 11 - Toxicological Information ***

Toxicity Data

Component Analysis - LD50/LC50

**Solvent naphtha (petroleum), heavy arom. (64742-94-5)**
Inhalation LC50 Rat >590 mg/m3 4 h; Oral LD50 Rat >5000 mg/kg; Dermal LD50 Rabbit >2000 mg/kg

**1-Methyl-2-pyrrrolidone (872-50-4)**
Inhalation LC50 Rat 3.1 mg/L 4 h; Oral LD50 Rat 3598 mg/kg; Dermal LD50 Rat 2500 mg/kg; Dermal LD50 Rabbit >5000 mg/kg

**Dipropylene glycol monomethyl ether (34590-94-8)**
Oral LD50 Rat 5230 mg/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 1 mL/kg; Dermal LD50 Rabbit 1025 mg/kg

**Naphthalene (91-20-3)**
Inhalation LC50 Rat >340 mg/m3 1 h; Oral LD50 Rat 490 mg/kg; Dermal LD50 Rat >2500 mg/kg; Dermal LD50 Rabbit >20 g/kg

Acute Effects

May cause severe irritation or burns to the eyes and skin. Components may be absorbed through the skin in harmful amounts. Monoethanolamine may burn mouth, throat, esophagus, and stomach. Breathing product into the lungs during ingestion or vomiting may cause lung injury and possible death. 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.

Repeated Dose Effects

Monoethanolamine has demonstrated human effects of mutagenicity. Naphthalene has demonstrated animal effects of mutagenicity. N-Methyl-2-pyrrolidinone and oleic acid have demonstrated experimental effects of mutagenicity. Based on best current information, the other components listed in SECTION 2 are not mutagens. Monoethanolamine and naphthalene have demonstrated animal effects of teratogenicity. Based on best current information, the other components listed in SECTION 2 are not teratogens. Based on best current information, the other components listed in SECTION 2 are not reproductive toxicants. Also see SECTION 15: CALIFORNIA.

Component Carcinogenicity

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

- ACGIH: A4 - Not Classifiable as a Human Carcinogen
- OSHA: Present (select carcinogen)
- NTP: Reasonably Anticipated To Be A Human Carcinogen (Suspect Carcinogen)
- IARC: Monograph 82 [2002] (Group 2B (possibly carcinogenic to humans))

Target Organ Effects

Prolonged or repeated inhalation of monoethanolamine may cause inflammation and sores in the mouth; and bronchial and/or gastrointestinal disturbances. Prolonged or repeated skin contact may cause drying, cracking, redness, itching, and/or swelling (dermatitis); and/or burns. Prolonged or repeated exposure may cause central nervous system, liver, kidney, lung, blood cell, eye, and skin damage.
### Ecotoxicity

Based upon components, this product may be toxic to aquatic life.

#### Component Analysis - Ecotoxicity - Aquatic Toxicity

**Solvent naphtha (petroleum), heavy arom. (64742-94-5)**

<table>
<thead>
<tr>
<th>Duration/Test/Species</th>
<th>Concentration/Conditions</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>96 Hr LC50 Pimephales promelas</td>
<td>19 mg/L [static]</td>
<td></td>
</tr>
<tr>
<td>96 Hr LC50 Oncorhynchus mykiss</td>
<td>2.34 mg/L</td>
<td></td>
</tr>
<tr>
<td>96 Hr LC50 Lepomis macrochirus</td>
<td>1740 mg/L [static]</td>
<td></td>
</tr>
<tr>
<td>96 Hr LC50 Pimephales promelas</td>
<td>45 mg/L [flow-through]</td>
<td></td>
</tr>
<tr>
<td>96 Hr LC50 Pimephales promelas</td>
<td>41 mg/L</td>
<td></td>
</tr>
<tr>
<td>72 Hr EC50 Skeletonema costatum</td>
<td>2.5 mg/L</td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Duration/Test/Species</th>
<th>Concentration/Conditions</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>96 Hr LC50 Pimephales promelas</td>
<td>832 mg/L [static]</td>
<td></td>
</tr>
<tr>
<td>96 Hr LC50 Lepomis macrochirus</td>
<td>4000 mg/L [static]</td>
<td></td>
</tr>
<tr>
<td>96 Hr LC50 Pimephales promelas</td>
<td>1072 mg/L [static]</td>
<td></td>
</tr>
<tr>
<td>96 Hr LC50 Poecilia reticulata</td>
<td>1400 mg/L [static]</td>
<td></td>
</tr>
<tr>
<td>72 Hr EC50 Desmodesmus subspicatus</td>
<td>&gt;500 mg/L</td>
<td></td>
</tr>
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</table>

**Dipropylene glycol monomethyl ether (34590-94-8)**

<table>
<thead>
<tr>
<th>Duration/Test/Species</th>
<th>Concentration/Conditions</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>96 Hr LC50 Pimephales promelas</td>
<td>&gt;10000 mg/L [static]</td>
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</table>

**Oleic acid (112-80-1)**

<table>
<thead>
<tr>
<th>Duration/Test/Species</th>
<th>Concentration/Conditions</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>96 Hr LC50 Pimephales promelas</td>
<td>205 mg/L [static]</td>
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</table>

**Ethanolamine (141-43-5)**

<table>
<thead>
<tr>
<th>Duration/Test/Species</th>
<th>Concentration/Conditions</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>96 Hr LC50 Pimephales promelas</td>
<td>227 mg/L [flow-through]</td>
<td></td>
</tr>
<tr>
<td>96 Hr LC50 Brachydano rario</td>
<td>3684 mg/L [static]</td>
<td></td>
</tr>
<tr>
<td>96 Hr LC50 Lepomis macrochirus</td>
<td>300-1000 mg/L [static]</td>
<td></td>
</tr>
<tr>
<td>96 Hr LC50 Oncorhynchus mykiss</td>
<td>114-196 mg/L [static]</td>
<td></td>
</tr>
<tr>
<td>96 Hr LC50 Oncorhynchus mykiss</td>
<td>&gt;200 mg/L [flow-through]</td>
<td></td>
</tr>
<tr>
<td>72 Hr EC50 Desmodesmus subspicatus</td>
<td>15 mg/L</td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Duration/Test/Species</th>
<th>Concentration/Conditions</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>96 Hr LC50 Pimephales promelas</td>
<td>5.74-6.44 mg/L [flow-through]</td>
<td></td>
</tr>
<tr>
<td>96 Hr LC50 Oncorhynchus mykiss</td>
<td>1.6 mg/L [flow-through]</td>
<td></td>
</tr>
<tr>
<td>96 Hr LC50 Oncorhynchus mykiss</td>
<td>0.91-2.82 mg/L [static]</td>
<td></td>
</tr>
<tr>
<td>96 Hr LC50 Pimephales promelas</td>
<td>1.99 mg/L [static]</td>
<td></td>
</tr>
<tr>
<td>96 Hr LC50 Lepomis macrochirus</td>
<td>31.0265 mg/L [static]</td>
<td></td>
</tr>
<tr>
<td>72 Hr EC50 Skeletonema costatum</td>
<td>0.4 mg/L</td>
<td></td>
</tr>
</tbody>
</table>

**Persistence/Degradability**

No information available for the product.

**Bioaccumulation/Accumulation**

No information available for the product.
Material Safety Data Sheet

Material Name: IMMERSION CLEANER AND COLD PARTS CLEANER ID: 82411

Mobility in Environmental Media

No information available for the product.

Other Adverse Effects

No information available for the product.

*** Section 13 - Disposal Considerations ***

Disposal Instructions

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.

US EPA Waste Number & Descriptions

This product, if discarded, is not expected to be a characteristic or listed hazardous waste. Processing, use, or contamination by the user may change the waste code(s) applicable to the disposal of this product.

*** Section 14 - Transportation Information ***

Emergency Response Guide Number


DOT Shipping Name: Compounds, cleaning liquid (Contains: Ethanolamine)
UN/NA #: NA1760 Hazard Class: 8 Packing Group: III
Required Label(s): CORROSIVE

TDG Shipping Name: CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (monoethanolamine)
UN/NA #: UN3267 Hazard Class: 8 Packing Group: III
Required Label(s): CORROSIVE

IATA Information

No Classification Assigned.

IMDG Information

No Classification Assigned.

*** Section 15 - Regulatory Information ***

VOC (As Regulated)

100 WT%; 7.9 LB/US gal; 950 g/l
As per U.S EPA 40 CFR 51.100(s)
VOC VP <0.4mmHg @ 20°C
CONTAINS: Photochemical Reactive solvent 60% by volume

SARA Sections 311/312

This product poses the following health hazard(s) 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 302/304

Component Analysis

Based on the ingredient(s) listed in SECTION 3, this product does not contain any "extremely hazardous substances" listed pursuant to Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) Section 302 or Section 304 as identified in 40 CFR Part 355, Appendix A and B.

SARA Section 313

The following components are 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

This product does contain a "toxic" chemical subject to the requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR Part 372.

1-Methyl-2-pyrrolidone (872-50-4) 1.0 % de minimis concentration
Naphthalene (91-20-3) 0.1 % de minimis concentration

CERCLA

Component Analysis

Based on the ingredient(s) listed in SECTION 3, this product contains the following "hazardous substance" listed under the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA) in 40 CFR Part 302, Table 302.4 with the following reportable quantities (RQ):

Naphthalene (91-20-3) 100 lb final RQ; 45.4 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.

Component Analysis

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS #</th>
<th>TSCA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solvent naphtha (petroleum), heavy arom.</td>
<td>64742-94-5</td>
<td>Yes</td>
</tr>
<tr>
<td>1-Methyl-2-pyrrolidone</td>
<td>872-50-4</td>
<td>Yes</td>
</tr>
<tr>
<td>Dipropylene glycol monomethyl ether</td>
<td>34590-94-8</td>
<td>Yes</td>
</tr>
<tr>
<td>Oleic acid</td>
<td>112-80-1</td>
<td>Yes</td>
</tr>
<tr>
<td>Ethanolamine</td>
<td>141-43-5</td>
<td>Yes</td>
</tr>
<tr>
<td>Naphthalene</td>
<td>91-20-3</td>
<td>Yes</td>
</tr>
</tbody>
</table>

State Regulations

This product contains:
Naphthalene CAS 91-20-3

This product may contain detectable amounts of:

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS #</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arsenic</td>
<td>7440-38-2</td>
</tr>
<tr>
<td>Benzene</td>
<td>71-32-2</td>
</tr>
<tr>
<td>Cadmium</td>
<td>7440-43-9</td>
</tr>
<tr>
<td>Chromium</td>
<td>7440-47-3</td>
</tr>
<tr>
<td>Lead</td>
<td>7439-92-1</td>
</tr>
<tr>
<td>Methylene Chloride</td>
<td>75-09-2</td>
</tr>
<tr>
<td>Perchloroethylene</td>
<td>127-18-4</td>
</tr>
<tr>
<td>Trichloroethylene</td>
<td>79-01-6</td>
</tr>
<tr>
<td>Para-dichlorobenzene</td>
<td>106-46-7</td>
</tr>
<tr>
<td>Beryllium</td>
<td>7440-41-7</td>
</tr>
</tbody>
</table>

WARNING: These chemicals are known to the State of California to cause cancer.

This product contains:
N-Methyl-2-pyrrolidone CAS 872-50-4.
This product may contain detectable amounts of:

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS #</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arsenic</td>
<td>7440-38-2</td>
</tr>
<tr>
<td>Benzene</td>
<td>71-32-2</td>
</tr>
<tr>
<td>Cadmium</td>
<td>7440-43-9</td>
</tr>
<tr>
<td>Mercury</td>
<td>7439-97-6</td>
</tr>
<tr>
<td>Lead</td>
<td>7439-92-1</td>
</tr>
<tr>
<td>Toluene</td>
<td>108-88-3</td>
</tr>
</tbody>
</table>

**WARNING:** These chemicals are known to the State of California to cause birth defects or other reproductive harm.

**U.S. State Regulations**

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

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS</th>
<th>MA</th>
<th>MN</th>
<th>NJ</th>
<th>PA</th>
<th>CA</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-Methyl-2-pyrrolidone</td>
<td>872-50-4</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Dipropylene glycol monomethyl ether</td>
<td>34590-94-8</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Oleic acid</td>
<td>112-80-1</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Ethanolamine</td>
<td>141-43-5</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Naphthalene</td>
<td>91-20-3</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

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

**WARNING!** This product contains a chemical known to the state of California to cause cancer.

**WARNING!** This product contains a chemical known to the state of California to cause reproductive/developmental effects.

**Canadian Regulations**

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

**Component Analysis**

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS #</th>
<th>CAN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solvent naphtha (petroleum), heavy arom.</td>
<td>64742-94-5</td>
<td>DSL</td>
</tr>
<tr>
<td>1-Methyl-2-pyrrolidone</td>
<td>872-50-4</td>
<td>DSL</td>
</tr>
<tr>
<td>Dipropylene glycol monomethyl ether</td>
<td>34590-94-8</td>
<td>DSL</td>
</tr>
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</tr>
<tr>
<td>Naphthalene</td>
<td>91-20-3</td>
<td>DSL</td>
</tr>
</tbody>
</table>

**Canadian WHMIS Information**

Class B3 - Combustible Liquid Class D2A - Chronic toxic effects. Class E - Corrosive

**Component Analysis - WHMIS IDL**

The following components are identified under the Canadian Hazardous Products Act Ingredient Disclosure List:

- Dipropylene glycol monomethyl ether (34590-94-8) 1%
- Oleic acid (112-80-1) 1%
- Ethanolamine (141-43-5) 1%
- Naphthalene (91-20-3) 1%

**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 ***

Label/Other Information
Not available.

Revision Information
Regulatory Update. Regulatory update, updated to ANSI Z400.1-2004 format. This MSDS has been revised in the following sections: Section 1 (Dates), Section 2 (Composition updated), Section 3 (switched to Emergency Overview), Section 4 (Phone Numbers), Section 5 (Fire Fields), Section 8 (Exposure Limits added), Section 11 (Toxicology fields updated), Section 12 (Ecotoxicity, fields updated), Section 16 (Revision 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, or merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to the information or the product to which the information refers. The data contained on this sheet apply to the product as supplier to the user.

End of Sheet 82411