Section 1 - PRODUCT AND COMPANY IDENTIFICATION

Material Name
Safety-Kleen MIL-PRF-680 Type III Solvent

Product Code
Not available.

Synonyms
Parts Washer Solvent; High Flash Degreasing Solvent; Petroleum Distillates; Petroleum Naphtha; Naphtha Solvent; Mineral Spirits

Product Use
Cleaning and degreasing metal parts. Product meets Department of Defense degreasing solvent performance specification MIL-PRF-680C Type III. If this product is used in combination with other products, refer to the Safety Data Sheet for those products.

Restrictions on Use
For industrial use only.

Manufacturer Information

MANUFACTURER
Safety-Kleen Systems, Inc.
42 Longwater Drive
Norwell, MA 02061-9149
U.S.A.

SUPPLIER (in Canada)
Safety-Kleen Canada, Inc.
25 Regan Road
Brampton, Ontario L7A 1B2
Canada

www.safety-kleen.com
Phone: 1-800-669-5740
Emergency Phone #: 1-800-468-1760

Issue Date
February 13, 2020

Supersedes Issue Date
February 14, 2017

Original Issue Date
February 14, 2017

Section 2 - HAZARDS IDENTIFICATION

Classification in accordance with Schedule 1 of Canada’s Hazardous Products Regulations (HPR) (SOR/2015-17) and paragraph (d) of 29 CFR 1910.1200 in the United States

Aspiration Hazard - Category 1
Skin Corrosion/Irritation - Category 2
Serious Eye Damage/Eye Irritation - Category 2A

GHS Label Elements
Symbol(s)

Signal Word
Danger
Hazard Statement(s)
May be fatal if swallowed and enters airways.
Causes skin irritation and serious eye irritation.

Precautionary Statement(s)
Prevention
Wear protective gloves/protective clothing/eye protection/face protection. Wash thoroughly after handling.

Response
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: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. IF SWALLOWED: Immediately call a POISON CENTER/doctor. Do NOT induce vomiting.

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.

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>CAS</th>
<th>Component Name</th>
<th>Percent</th>
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<tbody>
<tr>
<td>68551-20-2</td>
<td>Alkanes, C13-16-iso-</td>
<td>90</td>
</tr>
<tr>
<td>112-30-1</td>
<td>1-Decanol</td>
<td>10</td>
</tr>
</tbody>
</table>

Section 4 - FIRST AID MEASURES

Inhalation
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If symptoms develop or persist, get medical attention.

Skin
IF ON SKIN: Wash skin with soap and water for at least 15 minutes while removing contaminated clothing and shoes. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

Eyes
IF IN EYES: Flush eyes with plenty of water for at least 15 minutes. If eye irritation persists: Get medical advice/attention.

Ingestion
IF SWALLOWED: Immediately call a POISON CENTER/doctor. Do NOT induce vomiting.

Most Important Symptoms/Effects
Acute
May be fatal if swallowed and enters airways. Causes serious eye irritation. Causes skin irritation.

Delayed
No information on significant adverse effects.

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, regular foam, dry chemical, water spray, Class B/C or Class A/B/C fire extinguisher.
Unsuitable Extinguishing Media
Do not use water jet.

Special Hazards Arising from the Chemical
Negligible fire hazard.

Hazardous Combustion Products
None identified.

Fire Fighting Measures
Move container from fire area if it can be done without risk. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas. A positive-pressure, self-contained breathing apparatus (SCBA) and full-body protective equipment are required for fire emergencies.

Special Protective Equipment and Precautions for Firefighters
Wear full protective fire fighting gear including self contained breathing apparatus (SCBA) for protection against possible exposure.

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
Do not touch or walk through spilled product. Stop leak if you can do it without risk. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Ventilate area and avoid breathing vapor or mist. Contain spill away from surface water and sewers. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place in a container for later disposal.

Environmental Precautions
Avoid release to the environment. Do not release large quantities into the surface water or into drains.

Section 7 - HANDLING AND STORAGE

Precautions for Safe Handling
Keep away from heat, sparks and naked flames. Use clean, sparkproof tools and explosion-proof equipment. Do not breathe dust/fume/gas/mist/vapors/spray. Use in a well ventilated area. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

Conditions for Safe Storage, Including any Incompatibilities
Store locked up.
Store in a cool dry place. Keep containers away from heat, flame, sparks, static electricity, or other sources of ignition.

Incompatible Materials
Strong oxidizing agents

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Component Exposure Limits
The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

ACGIH - Threshold Limit Values - Biological Exposure Indices (BEI)
There are no biological limit values for any of this product's components.

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.
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.

Respiratory Protection
A respiratory protection program which meets USA's OSHA General Industry Standard 29 CFR 1910.134 or Canada's CSA Standard Z94.4-M1982 requirements must be followed whenever workplace conditions warrant a respirator's use. Consult a qualified Industrial Hygienist or Safety Professional for respirator selection guidance.

Glove Recommendations/Skin Protection
Where skin contact is likely, wear gloves impervious to product; 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.

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, Lab coat or apron.

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Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Colorless liquid</td>
</tr>
<tr>
<td>Odor</td>
<td>Mild</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Not available</td>
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<tr>
<td>Melting Point</td>
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<tr>
<td>Boiling Point Range</td>
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<tr>
<td>Evaporation Rate</td>
<td>Not available</td>
</tr>
<tr>
<td>Autoignition Temperature</td>
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</tr>
<tr>
<td>Lower Explosive Limit</td>
<td>Not available</td>
</tr>
<tr>
<td>Upper Explosive Limit</td>
<td>Not available</td>
</tr>
<tr>
<td>Vapor Density (air=1)</td>
<td>Not available</td>
</tr>
<tr>
<td>Water Solubility</td>
<td>Not available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Not available</td>
</tr>
<tr>
<td>Solubility (Other)</td>
<td>Not available</td>
</tr>
<tr>
<td>Volatile Organic Compounds (As regulated)</td>
<td>100 WT%; 6.7 lb/US gal; 803 g/L per 40 CFR Part 51.100(s)</td>
</tr>
</tbody>
</table>

VOC Vapor Pressure: \( \leq 0.4 \text{ mm Hg @}20^\circ\text{C} 

Product may or may not be considered photochemically reactive (100% by weight). Consult your state or local air district regulations for location specific definition.
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
None known.

Incompatible Materials
Strong oxidizing agents, chlorates, nitrates, peroxides.

Hazardous decomposition products
None identified.

Section 11 - TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Inhalation
May be harmful if inhaled.

Skin Contact
Causes skin irritation. Repeated exposure may cause skin dryness or cracking.

Eye Contact
Causes serious eye irritation.

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:

Alkanes, C13-16-iso- (68551-20-2)
Oral LD50 Rat >10000 mg/kg

1-Decanol (112-30-1)
Oral LD50 Rat 4720 mg/kg; Dermal LD50 Rabbit 3560 mg/kg

Product Toxicity Data

Acute Toxicity Estimate

<table>
<thead>
<tr>
<th>Route</th>
<th>Value</th>
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<tbody>
<tr>
<td>Dermal</td>
<td>&gt; 2000 mg/kg</td>
</tr>
<tr>
<td>Oral</td>
<td>&gt; 2000 mg/kg</td>
</tr>
</tbody>
</table>

Immediate Effects
May be fatal if swallowed and enters airways. Causes serious eye irritation. Causes skin irritation.

Delayed Effects
No information on significant adverse effects.

Irritation/Corrosivity Data
Causes serious eye irritation. Causes skin irritation.

Respiratory Sensitization
No information on significant adverse effects.

Dermal Sensitization
No information on significant adverse effects.

Component Carcinogenicity
None of this product's components are listed by ACGIH, IARC, NTP, DFG or OSHA.
Germ Cell Mutagenicity
No information on significant adverse effects.

Tumorigenic Data
No data available

Reproductive Toxicity
No information on significant adverse effects.

Specific Target Organ Toxicity - Single Exposure
No target organs identified.

Specific Target Organ Toxicity - Repeated Exposure
No target organs identified.

Aspiration hazard
May be fatal if swallowed and enters airways.

Medical Conditions Aggravated by Exposure
No data available.

Section 12 - ECOLOGICAL INFORMATION

Ecotoxicity
Harmful to aquatic life with long lasting effects.

Component Analysis - Aquatic Toxicity

<table>
<thead>
<tr>
<th>Component</th>
<th>EC50/LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-Decanol</td>
<td>112-30-1</td>
</tr>
<tr>
<td>Fish:</td>
<td>LC50 96 h Pimephales promelas 2.2 - 2.5 mg/L [flow-through ]; LC50 96 h Lepomis macrochirus 4.12 - 6.2 mg/L [static ]; LC50 96 h Oncorhynchus mykiss &lt;5.6 mg/L [static ]</td>
</tr>
<tr>
<td>Invertebrate:</td>
<td>EC50 48 h Daphnia magna 3 mg/L IUCLID</td>
</tr>
</tbody>
</table>

Persistence and Degradability
Not expected to persist in the environment.

Bioaccumulative Potential
No information available for the product.

Section 13 - DISPOSAL CONSIDERATIONS

Disposal Methods
Dispose in accordance with federal, state, provincial, and local regulations.

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

Section 14 - TRANSPORT INFORMATION

US DOT Information:
Further information: Not regulated as dangerous goods.

IMDG Information:
Further information: Not regulated as dangerous goods.

TDG Information:
Further information: Not regulated as dangerous goods.

International Bulk Chemical Code
This material does not contain any chemicals required by the IBC Code to be identified as dangerous chemicals in bulk.

### Section 15 - REGULATORY INFORMATION

#### U.S. Federal Regulations
None of this product's components are listed under SARA Sections 302/304 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), or require an OSHA process safety plan.

#### SARA Section 311/312 (40 CFR 370 Subparts B and C) reporting categories
Skin Corrosion/Irritation; Serious Eye Damage/Eye Irritation; Aspiration Hazard

#### U.S. State Regulations
The following components appear on one or more of the following state hazardous substances lists:

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#### California Safe Drinking Water and Toxic Enforcement Act (Proposition 65)
Not listed under California Proposition 65.

#### Canada Regulations
Not Classified.

#### Canadian WHMIS Ingredient Disclosure List (IDL)
Components of this material have been checked against the Canadian WHMIS Ingredients Disclosure List. The List is composed of chemicals which must be identified on MSDSs if they are included in products which meet WHMIS criteria specified in the Controlled Products Regulations and are present above the threshold limits listed on the IDL.

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#### Component Analysis - Inventory
**Alkanes, C13-16-iso- (68551-20-2)**

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

Summary of Changes
Regulatory review and update.

Key / Legend
ACGIH - American Conference of Governmental Industrial Hygienists; ADR - European Road Transport; AU - Australia; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CA/MA/MN/NJ/PA - California/Massachusetts/Minnesota/New Jersey/Pennsylvania*; CAS - Chemical Abstracts Service; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CFR - Code of Federal Regulations (US); 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; EC – European Commission; EEC - European Economic Community; EIN - European Inventory of (Existing Commercial Chemical Substances); 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; F - Background (for Venezuela Biological Exposure Indices); 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; IUCLID - International Uniform Chemical Information Database; JP - Japan; Kow - Octanol/water partition coefficient; KR KECI Annex 1 - Korea Existing Chemicals Inventory (KECI) / Korea Existing Chemicals List (KECL); KR KECI Annex 2 - Korea Existing Chemicals Inventory (KECI) / Korea Existing Chemicals List (KECL) , KR - Korea; LD50/LC50 - Lethal Dose/ Lethal Concentration; 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; MX – Mexico; Ne- Non-specific; NFPA - National Fire Protection Agency; NIOSH - National Institute for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; Nq - Non-quantitative; NSL – Non-Domestic Substance List (Canada); NTP - National Toxicology Program; NZ - New Zealand; OSHA - Occupational Safety and Health Administration; PEL- Permissible Exposure Limit; 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; Sc - Semi-quantitative; STEL - Short-term Exposure Limit; TCCA – Korea Toxic Chemicals Control Act; TDG - Transportation of Dangerous Goods; TLV - Threshold Limit Value; TSCA - Toxic Substances Control Act; TW – Taiwan; TWA - Time Weighted Average; UEL - Upper Explosive Limit; UN/NA - United Nations /North American; US - United States; VLE - Exposure Limit Value (Mexico); VN (Draft) - Vietnam (Draft); WHMIS - Workplace Hazardous Materials Information System (Canada).

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.