

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

SAFETY-KLEEN ODORLESS MINERAL SPIRITS SOLVENT

**Product Code**

6657

**Synonyms**

Odorless parts washer solvent; Odorless degreasing solvent; High Isoparaffinic content petroleum distillates/petroleum naphtha; Mineral spirits.

**Product Use Recommended Use**

Cleaning and degreasing 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**

None known.

**Details of the supplier of the safety data sheet****MANUFACTURER/SUPPLIER**Safety-Kleen Systems, Inc.  
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**Section 2 - HAZARDS IDENTIFICATION****Classification in accordance with Schedule 1 of Hazardous Products Regulations (HPR) (SOR/2015-17) and 29 CFR 1910.1200**

Flammable Liquids - Category 3

Aspiration Hazard - Category 1

Acute Toxicity - Inhalation - Vapor - Category 4

Germ Cell Mutagenicity, Category 1B

Specific Target Organ Toxicity – Single Exposure, Category 3 (central nervous and respiratory systems)

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

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## Signal Word

Danger

## Hazard Statement(s)

Flammable liquid and vapor. May be fatal if swallowed and enters airways. Toxic if inhaled. May cause genetic defects. May cause respiratory irritation, drowsiness, and dizziness.

## Precautionary Statement(s)

### Prevention

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Take precautionary measures against static discharge. Wear protective gloves and eye/face protection. Avoid breathing vapor or mist. Use only outdoors or in a well-ventilated area. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

### Response

In case of fire: Use Class B/C, Class A/B/C fire extinguisher, carbon dioxide, regular foam, dry chemical, water fog, or water spray for extinction. IF exposed or concerned: Get medical advice/attention. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Remove contaminated clothing and wash 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 cool. Keep container tightly closed.

### Disposal

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

### Statement of Unknown Toxicity

0% 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
*	Varies	100

\*Product will contain one of the following components at 100 WT%: Petroleum distillates, hydrotreated light (64742-47-8); Alkanes (68551-16-6); Naphtha (petroleum), heavy alkylate (64741-65-7); Naphtha (petroleum), hydrotreated heavy (64742-48-9)

## Section 4 - FIRST AID MEASURES

### Inhalation

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

### Skin

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Remove contaminated clothing and wash before reuse. Get medical attention if irritation develops or persists.

### Eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops or persists.

### Ingestion

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IF SWALLOWED: aspiration hazard. Do NOT induce vomiting. If vomiting occurs, keep head lower than hips to help prevent aspiration. Call a poison control center or doctor immediately for treatment advice.

## Most Important Symptoms/Effects

### Acute

Harmful if inhaled. Aspiration hazard, lung damage (from aspiration),

### Delayed

No information on significant adverse effects.

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

IF exposed: Call a POISON CENTER or doctor/physician. Treat symptomatically and supportively.

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, regular foam, dry chemical, water spray, or water fog. Class B/C or Class A/B/C fire extinguisher.

#### Unsuitable Extinguishing Media

Do not use high-pressure water streams.

### Special Hazards Arising from the Chemical

Flammable liquid and vapor. The vapor is heavier than air. Vapors or gases may ignite at distant ignition sources and flash back. Runoff to sewer may cause a fire or explosion 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 carbon monoxide, 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 appropriate personal protection equipment. 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

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possible recovery, or sorb with compatible sorbent material and shovel with a clean tool into a sealable container for disposal. All equipment used when handling the product must be grounded. Additionally, for large spills: 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, and flames. Where explosive mixtures may be present, equipment safe for such locations should be used. Ground/Bond container and receiving equipment. Do not breathe vapor or mist. Use in a well-ventilated area. Avoid contact with eyes, skin and clothing. Do not eat, drink, or 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; 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, reducing agents, halogens.

## Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

### Component Exposure Limits

Petroleum distillates, hydrotreated light	64742-47-8
British Columbia	200 mg/m <sup>3</sup> TWA (application restricted to conditions in which there are negligible aerosol exposures ) as total Hydrocarbon vapor; Skin notation
ACGIH	100 ppm TWA (related to Stoddard solvent)
OSHA Final	500 ppm TWA; 2900 mg/m <sup>3</sup> TWA (related to Stoddard solvent)
OSHA Vacated	100 ppm TWA; 525 mg/m <sup>3</sup> TWA (related to Stoddard solvent)
NIOSH	350 mg/m <sup>3</sup> TWA (related to Stoddard solvent); 1800 mg/m <sup>3</sup> Ceiling (15 min, related to Stoddard solvent)

### 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 on anticipated use and concentrations of mists or vapors. Eye wash fountain and emergency showers are recommended. Contact lens use is not recommended.

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## 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

Where skin contact is likely, wear neoprene, nitrile, or equivalent protective gloves; use of natural rubber 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, coveralls, long sleeve shirts, 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 lab coat or apron.

## Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Colorless to straw yellow liquid	<b>Physical State</b>	Liquid
<b>Odor</b>	Petroleum odor	<b>Color</b>	Colorless to pale yellow
<b>Odor Threshold</b>	Not available	<b>pH</b>	Not available
<b>Melting Point</b>	Not available	<b>Boiling Point</b>	171 °C (340 °F Initial )
<b>Boiling Point Range</b>	Not available	<b>Freezing point</b>	Not available
<b>Evaporation Rate</b>	<1 (Butyl acetate = 1 )	<b>Flammability (solid, gas)</b>	Not available
<b>Autoignition Temperature</b>	Not available	<b>Flash Point</b>	43.5 °C (110 °F Minimum )
<b>Lower Explosive Limit</b>	0.7 %	<b>Decomposition temperature</b>	Not available
<b>Upper Explosive Limit</b>	7 %	<b>Vapor Pressure</b>	<1.0 mm Hg @ 68°F (20°C)
<b>Vapor Density (air=1)</b>	5.3 (Air = 1 )	<b>Specific Gravity (water=1)</b>	0.76 (Approximate Water = 1 )
<b>Water Solubility</b>	(Insoluble )	<b>Partition coefficient: n-octanol/water</b>	Not available
<b>Viscosity</b>	Not available	<b>Solubility (Other)</b>	Not available
<b>Density</b>	6.3 lb/US gal (760 g/l) (Approximate )	<b>Molecular Weight</b>	Not available
<b>Volatile Organic Compounds (As Regulated)</b>	100 WT%; 6.3 LB/US gal; 760g/l as per 40 CFR Part 51.100(s). VOC VAPOR PRESSURE: < 1.0 mmHg@ 68°F (20°C) Product may or may not be considered photochemically reactive (100% by weight). Consult your state or local air district regulations for location specific information.		

## Other Information

No additional information is available.

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## 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 under normal temperature and pressure conditions.

### Conditions to Avoid

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

### Incompatible Materials

Acids, alkalis, oxidizing agents, reducing agents, halogens.

### 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

May cause irritation, nausea, vomiting, irregular heartbeat, headache, dizziness, drowsiness, disorientation, loss of coordination, lung congestion, internal bleeding, lung damage (from aspiration).

#### Skin Contact

May cause irritation of the skin.

#### Eye Contact

May cause irritation of the eyes.

#### Ingestion

Aspiration hazard. May cause nausea, vomiting, irregular heartbeat, dizziness, convulsions, unconsciousness, lung damage (from aspiration).

### 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:

#### **Naphtha (petroleum), heavy alkylate (64741-65-7)**

Oral LD50 Rat >7000 mg/kg; Dermal LD50 Rabbit >2000 mg/kg; Inhalation LC50 Rat >5.04 mg/L 4 h

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

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

#### **Naphtha (petroleum), hydrotreated heavy (64742-48-9)**

Oral LD50 Rat >5000 mg/kg; Dermal LD50 Rabbit >3160 mg/kg; Inhalation LC50 Rat 1.1 - 1.9 mg/L 4 h

### Product Toxicity Data

#### Acute Toxicity Estimate

Dermal	> 2000 mg/kg
Oral	> 2000 mg/kg

#### Immediate Effects

May cause lung damage (from aspiration). Harmful if inhaled.

#### Delayed Effects

No information on significant adverse effects.

#### Irritation/Corrosivity Data

May cause eye irritation. May cause skin irritation.

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## Respiratory Sensitization

No information available for the product.

## Dermal Sensitization

No information available for the product.

## Component Carcinogenicity

None of this product's components are listed by ACGIH, IARC, OSHA, NIOSH, or NTP.

## Germ Cell Mutagenicity

No information on significant adverse effects.

## Tumorigenic Data

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

## Reproductive Toxicity

Based on best current information, there is no known reproductive toxicity associated with these products.

## Specific Target Organ Toxicity - Single Exposure

No significant target effects reported.

## Specific Target Organ Toxicity - Repeated Exposure

No significant target effects reported.

## Aspiration hazard

Lung aspiration hazard if swallowed.

## Medical Conditions Aggravated by Exposure

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

## Additional Data

No additional information is available.

## Section 12 - ECOLOGICAL INFORMATION

### Ecotoxicity

May cause long lasting harmful effects to aquatic life.

### Component Analysis - Aquatic Toxicity

<b>Naphtha (petroleum), heavy alkylate</b>	<b>64741-65-7</b>
Algae:	EC50 72 h Pseudokirchneriella subcapitata 30000 mg/L IUCLID
Invertebrate:	LC50 48 h Mysidopsis bahia 2 mg/L IUCLID
<b>Petroleum distillates, hydrotreated light</b>	<b>64742-47-8</b>
Fish:	LC50 96 h Pimephales promelas 45 mg/L [flow-through ]; LC50 96 h Lepomis macrochirus 2.2 mg/L [static ]; LC50 96 h Oncorhynchus mykiss 2.4 mg/L [static ]
<b>Naphtha (petroleum), hydrotreated heavy</b>	<b>64742-48-9</b>
Fish:	LC50 96 h Pimephales promelas 2200 mg/L

### Persistence and Degradability

This material is believed not to biodegrade.

### Bioaccumulative Potential

This material is believed not to bioaccumulate.

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## Mobility

Expected to have high mobility in soil.

## Other Toxicity

No additional information is available.

## Section 13 - DISPOSAL CONSIDERATIONS

### Disposal Methods

Dispose in accordance with federal, state, provincial, and local regulations. If discarded, this product is considered a RCRA ignitable waste, D001. Regulations may also apply to empty containers. Based on available data, this information applies to the product as supplied to the user. Processing, use, or contamination by the user may change the waste code applicable to the disposal of this product. Contact Safety-Kleen regarding proper recycling or disposal.

## Section 14 - TRANSPORT INFORMATION

### Emergency Response Guide Number

128: Reference . North American Emergency Response Guide Book

### Transportation Regulations

**DOT NON-BULK PACKAGES (less than or equal to 119 gallons)**(Shipments via vessel and aircraft must use bulk shipping description.): Shipping Name: Cleaning Compounds (petroleum naphtha)(Not US DOT Regulated)

### BULK PACKAGES:

Shipping Name: Combustible liquid, n.o.s. (petroleum naphtha)

UN/NA: NA1993 Hazard Class: Combustible liquid Packing Group: III Required Placards: Class 3, NA1993

**TDG SMALL MEANS OF CONTAINMENT** (Shipments via aircraft must use large means of containment shipping description):

Shipping Name: CLEANING COMPOUNDS (petroleum naphtha)(Not TDG regulated)

### LARGE MEANS OF CONTAINMENT

Shipping Name: PETROLEUM DISTILLATES, N.O.S. (petroleum naphtha)

UN/NA #: UN1268 Hazard Class: 3 Packing Group: III

Required Placards: Class 3, UN1268

## 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

None of this product's components are on the list

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

None of this product's components are on the list

### U.S. Federal Regulations

None of this products 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)

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



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## U.S. State Regulation

No components appear on state hazardous substances lists.

## Component Analysis - Inventory

Naphtha (petroleum), heavy alkylate (64741-65-7), Petroleum distillates, hydrotreated light (64742-47-8), Naphtha (petroleum), hydrotreated heavy (64742-48-9), Alkanes, C9-11-iso- (68551-16-6)

US	CA
Yes	DSL

## Section 16 - OTHER INFORMATION

### NFPA Ratings

Health: 1 Fire: 2 Reactivity: 0

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

### Summary of Changes

Revision to meet Canadian 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).

### 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.