

**ODORLESS MINERAL SPIRITS**  
MATERIAL SAFETY DATA SHEET FOR USA AND CANADA



**SECTION 1: PRODUCT AND COMPANY IDENTIFICATION**

**PRODUCT NAME:** ODORLESS MINERAL SPIRITS

**SYNONYMS:** Not available.

**PRODUCT CODE:** 6643, 6657

**PRODUCT USE:** Parts cleaning and general use (such as paint thinner).  
If this product is used in combination with other products, refer to the  
Material Safety Data Sheets for those products.

This number is for emergency  
use only. If you desire non-emergency  
product information, please call a  
phone number listed below.

**24-HOUR EMERGENCY PHONE NUMBER  
MEDICAL AND TRANSPORTATION (SPILL):**

**1-800-468-1760**

**SUPPLIER:** Safety-Kleen Systems, Inc.  
5400 Legacy Drive  
Cluster II, Building 3  
Plano, Texas 75024  
USA  
**1-800-669-5740**  
**www.Safety-Kleen.com**

**TECHNICAL INFORMATION:** 1-800-669-5740 Press 1 then 1, then Extension 7500

**MSDS FORM NUMBER:** 82739

**ISSUE:** August 3, 2007

**ORIGINAL ISSUE:** March 27, 1998

**SUPERSEDES:** December 13, 2005

**PREPARED BY:** Product MSDS Coordinator

**APPROVED BY:** MSDS Task Force

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**SECTION 2: HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW**

**APPEARANCE**

Colorless to pale yellow liquid, faint hydrocarbon odor.

**WARNING!**

**PHYSICAL HAZARDS**

Combustible liquid and vapor.

**HEALTH HAZARDS**

May be harmful if swallowed.

May irritate the eyes and skin.

Contains material that may cause central nervous system effects.

**ENVIRONMENTAL HAZARDS**

Not expected to be harmful to the environment.

**POTENTIAL HEALTH EFFECTS**

**INHALATION (BREATHING):** This product is not likely to present an inhalation hazard at normal temperatures and pressures. However, when aerosolizing, high concentrations of aerosol or vapor 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:** May cause irritation.

**SKIN:** May cause irritation. Not likely to be absorbed through the skin in harmful amounts.

**INGESTION (SWALLOWING):** May be harmful if swallowed. May cause throat irritation, nausea, vomiting, diarrhea and central nervous system effects as noted under **INHALATION (BREATHING)**. Aspiration hazard: breathing product into the lungs during ingestion or vomiting may cause lung injury and possible death.

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**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.

**CHRONIC:** 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). Prolonged or repeated skin contact may cause drying, cracking, redness, itching, and/or swelling (dermatitis).

**CANCER INFORMATION:** No known carcinogenicity. For more information, see **SECTION 11: CARCINOGENICITY**.

Also see **SECTION 15: CALIFORNIA**.

### POTENTIAL ENVIRONMENTAL EFFECTS

Not expected to be harmful to the environment. Also see **SECTION 12: ECOLOGICAL INFORMATION**.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Component	Synonyms	Percent
64741-65-7	Naphtha (petroleum), heavy alkylate	N.Av.	100

### 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 medical attention.

**SKIN:** Remove affected clothing and shoes. Wash skin thoroughly with soap and water. Get medical attention if irritation or pain develops or persists.

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**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.

**NOTE TO PHYSICIANS:** Treat symptomatically and supportively. 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

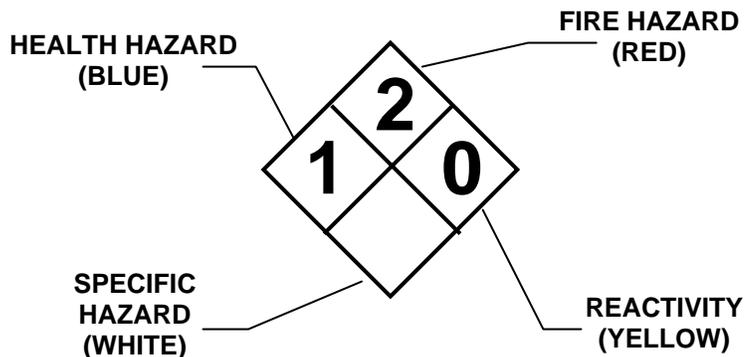
**HAZARDOUS COMBUSTION PRODUCTS:** Decomposition and combustion materials may be toxic. Burning may produce carbon monoxide, and unidentified organic compounds.

**CONDITIONS OF FLAMMABILITY:** Heat, sparks, or flame.

**PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:** A positive-pressure, self-contained breathing apparatus (SCBA) and full-body protective equipment are required for fire emergencies.

**EXTINGUISHING MEDIA:** Carbon dioxide, regular foam, dry chemical, water spray, or water fog. Water or foam may cause frothing.

**NFPA 704 HAZARD IDENTIFICATION:** This information is intended solely for the use by individuals trained in this system.



**FIRE FIGHTING INSTRUCTIONS:** Keep storage containers cool with water spray.

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### **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 or explosion hazard. Heated containers may rupture, explode, or be thrown into the air. "Empty" containers may retain residue and can be dangerous. Product is not sensitive to mechanical impact. Product may be sensitive to static discharge, which could result in fire or explosion.

### **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 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.

### **SECTION 7: HANDLING AND STORAGE**

**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, and shoes. Do not smoke while using this product.

**SHIPPING AND STORING:** Keep container tightly closed when not in use and during transport. Store containers in a cool, dry place. Do not pressurize, cut, weld, braze, solder, drill, or grind containers. Keep containers away from heat, flame, sparks, static electricity, or other sources of ignition; containers may explode and cause injury or death. Empty product containers may retain product residue and can be dangerous. See **SECTION 14: TRANSPORTATION INFORMATION** for Packing Group information.

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**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**EXPOSURE GUIDELINES:**

**Component Exposure Limits**

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

ACGIH: 100 ppm TWA (related to Stoddard solvent)  
OSHA: 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)

**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 PROTECTION:** Use NIOSH-certified, full-face, air-purifying respirator with organic vapor cartridges respiratory protective equipment whenever 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.

**EYE PROTECTION:** Where eye contact is likely, wear chemical goggles; contact lens use is not recommended.

**SKIN PROTECTION:** Where skin contact is likely, use chemical resistant 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.

**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 affected clothing, shoes, and/or protective equipment if they cannot be thoroughly cleaned. Discard leather articles, such as shoes, saturated with this product.

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**OTHER PROTECTIVE EQUIPMENT:** Where spills and splashes are likely, facilities storing or using these products should be equipped with an emergency eyewash and shower, both equipped with clean water, in the immediate work area.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE, APPEARANCE, AND ODOR:** Colorless to pale yellow liquid, faint hydrocarbon odor.

**ODOR THRESHOLD:** Not available

**MOLECULAR WEIGHT:** Not applicable

**SPECIFIC GRAVITY:** 0.76 (water = 1) (approximately)

**DENSITY:** 6.3 LB/US gal (760 g/l) (approximately)

**VAPOR DENSITY:** Not available

**VAPOR PRESSURE:** 1.9 mm Hg @ 100°F (38°C)

**BOILING POINT:** 340°F (171°C) (initial)

**FREEZING/MELTING POINT:** Not available

**pH:** Not applicable

**EVAPORATION RATE:** Less than 1 (butyl acetate = 1)

**SOLUBILITY IN WATER:** Insoluble.

**FLASH POINT:** 109°F (43°C) (minimum) Closed Cup

**FLAMMABLE LIMITS IN AIR:** **LOWER:** 0.7 VOL%    **UPPER:** 7 VOL%

**AUTOIGNITION TEMPERATURE:** Not available.

**% VOLATILE:** Negligible

### SECTION 10: STABILITY AND REACTIVITY

**STABILITY:** Stable under normal temperatures and pressures.

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**CONDITIONS TO AVOID:** Spark, flame and incompatible materials.

**INCOMPATIBILITY:** Avoid acids and oxidizing agents.

**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.**

**SECTION 11: TOXICOLOGICAL INFORMATION**

**TOXICITY DATA:**

**Component Analysis - LD50/LC50**

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

Inhalation LC50 Rat: >5.04 mg/L/4H

Oral LD50 Rat: >7000 mg/kg

Dermal LD50 Rat: >3000 mg/kg

Dermal LD50 Rabbit: >2000 mg/kg

**ACUTE EFFECTS:** May be irritation to skin, eyes and respiratory tract. High concentrations of vapor or mist may cause nausea, vomiting, headaches, dizziness, loss of coordination, numbness, and other central nervous system effects. May be harmful if swallowed. May cause throat irritation, nausea, vomiting, diarrhea and central nervous system effects. Aspiration hazard: breathing product into the lungs during ingestion or vomiting may cause lung injury and possible death.

**REPEATED DOSE EFFECTS:** Based on best current information, there is no known reproductive toxicity associated with this product.

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

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

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

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**CARCINOGENICITY:** Based on best current information for the components in **Section 2**, there is no known carcinogenicity as categorized by ACGIH A1 or A2 substances; as categorized by IARC Group 1, Group 2A, or Group 2B agents; or as listed by NTP as either known carcinogens or substances for which there is limited evidence of carcinogenicity in humans or sufficient evidence of carcinogenicity in experimental animals.

Also see **SECTION 15: CALIFORNIA**.

**TARGET ORGAN EFFECTS:** Prolonged or repeated eye contact may cause inflammation of the membrane lining the eyelids and covering the eyeball (conjunctivitis). Prolonged or repeated skin contact may cause drying, cracking, redness, itching, and/or swelling (dermatitis).

<b>SECTION 12: ECOLOGICAL INFORMATION</b>
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**ECOTOXICITY:** Not available.  
**Component Analysis - Ecotoxicity - Aquatic Toxicity**

<b>Naphtha (petroleum), heavy alkylate (64741-65-7)</b>	<b>Conditions</b>
<b>Test &amp; Species</b>	
72 Hr EC50 Selenastrum capricornutum	30000 mg/L

**PERSISTENCE/DEGRADABILITY:** Not expected to persist.

**BIOACCUMULATION/ACCUMULATION:** Not expected to bioaccumulate.

**MOBILITY IN ENVIRONMENTAL MEDIA:** Not known.

**OTHER ADVERSE EFFECTS:** Not available. Also see **SECTION 12: ECOLOGICAL INFORMATION**.

**OCTANOL/WATER PARTITION COEFFICIENT:** Not available.

**VOLATILE ORGANIC COMPOUNDS:** 100 WT%; 6.3 LB/US gal; 760 g/l (approximately)  
As per 40 CFR Part 51.100(s).

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**SECTION 13: DISPOSAL CONSIDERATIONS**

- DISPOSAL:** 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.
- USEPA WASTE CODE(S):** If discarded, this product is considered a RCRA ignitable waste, D001. 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.

**SECTION 14: TRANSPORT INFORMATION**

- DOT:** **Shipping Name:** Combustible Liquid, n.o.s. (Naphtha petroleum, heavy alkylate)  
**UN/NA #:** NA1993 **Hazard Class:** Combustible Liquid **Packing Group:** III  
**Additional Info.:** If transported by method other than highway or rail:  
Petroleum Product, n.o.s. (Naphtha petroleum, heavy alkylate), 3, UN1268, PG III
- TDG:** **Shipping Name:** Petroleum Product, n.o.s.(Naphtha petroleum, heavy alkylate)  
**UN/NA #:** UN1268 **Hazard Class:** 3 **Packing Group:** III  
**Required Label(s):** FLAMMABLE LIQUID
- EMERGENCY RESPONSE GUIDE NUMBER:** 128  
Reference *North American Emergency Response Guidebook*

**SECTION 15: REGULATORY INFORMATION**

**USA REGULATIONS**

- SARA SECTIONS 302 AND 304:** Based on the ingredients listed in **SECTION 2**, 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 SECTIONS 311 AND 312:** This product poses the following health hazards 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

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**SARA SECTION 313:** This product does not contain "toxic" chemicals 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.

**CERCLA:** Based on the ingredients listed in SECTION 2, this product does not contain any "hazardous substances" listed pursuant to the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA) in 40 CFR Part 302, Table 302.4.

**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.

**CALIFORNIA:** This product is not for sale or use in the State of California.

### 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.

**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).

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### SECTION 16. OTHER INFORMATION

**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).

**LABEL/OTHER INFORMATION:** Not available.

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User assumes all risks incident to the use of this (these) product(s). 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 express or implied, or merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to information or the product to which information refers. The data contained on this sheet apply to the product(s) as supplied to the user.



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