

**SAFETY-KLEEN PROFESSIONAL WATERLESS HAND  
CLEANER WITH SCRUBBERS**  
MATERIAL SAFETY DATA SHEET FOR USA AND CANADA



**SECTION 1: PRODUCT AND COMPANY IDENTIFICATION**

**PRODUCT NAME:** Safety-Kleen Professional Waterless Hand Cleaner with Scrubbers  
**SYNONYMS:** None  
**PRODUCT CODE:** 32634  
**PRODUCT USE:** Hand Cleaner  
If this product is used in combination with other products, refer to the Material Safety Data Sheet 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:** 820004

**ISSUE:** January 16, 2008

**ORIGINAL ISSUE:** January 16, 2006

**SUPERSEDES:** January 16, 2006

**PREPARED BY:** Product MSDS Coordinator

**APPROVED BY:** MSDS Task Force

**SECTION 2: HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW**

**APPEARANCE**

Opaque white liquid with lavender odor.

**WARNING!**

**PHYSICAL HAZARDS**

None known, but keep away from sparks or flame.

**HEALTH HAZARDS**

None expected with normal handling.

Eye contact will cause irritation.

May be harmful if swallowed.

Contains materials which may cause central nervous system effects.

**ENVIRONMENTAL HAZARDS**

Not expected to be toxic to aquatic life.

**POTENTIAL HEALTH EFFECTS**

**INHALATION (BREATHING):** Vapor generation is unlikely. However, high concentrations of vapor or mist may irritate the respiratory tract (nose, throat, and lungs) and may cause nausea, vomiting, headaches, dizziness, loss of coordination, numbness, and other central nervous system effects.

**EYES:** May cause irritation. Symptoms may include tearing, stinging, and redness.

**SKIN:** Normal contact may cause irritation seen as itching and redness. Prolonged or repeated contact with this product may dry and/or defat the skin. Not likely to be absorbed through the skin in harmful amounts.

**INGESTION (SWALLOWING):** Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** Pre-existing skin and respiratory problems may be aggravated by prolonged or repeated contact.

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**CHRONIC:** Prolonged or repeated inhalation of hydrocarbon or oil mist may cause oil pneumonia, lung tissue inflammation, and/or fibrous tissue formation. Prolonged or repeated eye contact may cause inflammation of the membrane lining the eyelids and covering the eyeball (conjunctivitis).

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

**POTENTIAL ENVIRONMENTAL EFFECTS**

Product not expected to be toxic to aquatic life. Also see **SECTION 12: ECOLOGICAL INFORMATION.**

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

CAS #	Component	Synonyms	Percent
8042-47-5	White mineral oil	Petroleum	20-25
64742-47-8	Petroleum distillates, hydrotreated light	Kerosene	20-25
9002-88-4	Polyethylene	Polythene	1-3
68439-46-3	Alcohols, C9-11, ethoxylated	Alkyl (c9-11) alcohol, ethylated	0.5-1.5

**SECTION 4: FIRST AID MEASURES**

**INHALATION (BREATHING):** If symptoms are experienced, remove source of contamination or move victim to fresh air. Call a physician if symptoms develop or persist.

**EYES:** Upon contact, immediately flush eyes with plenty of lukewarm water, holding eyelids apart, for 15 minutes. Get medical attention if irritation develops.

**SKIN:** For acute or dangerous contact: Remove affected clothing and shoes. Wash skin thoroughly with soap and water. Get medical attention if irritation develops or persists. Wash contaminated clothing before reuse.

**INGESTION (SWALLOWING):** Do NOT induce vomiting. Call 1-800-468-1760 for additional information. Never give anything by mouth to an unconscious person. If irritation persists or develops seek medical attention.

**NOTE TO PHYSICIANS:** Treat symptomatically and supportively. Treatment may vary with condition of victim and specifics of incident. Call 1-800-468-1760 for additional information.

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**SECTION 5: FIRE FIGHTING MEASURES**

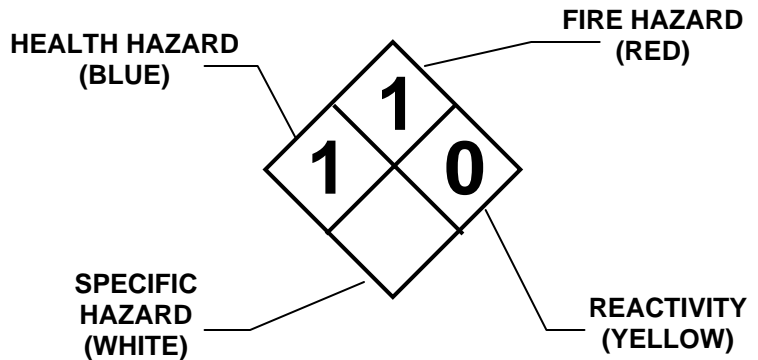
**HAZARDOUS COMBUSTION PRODUCTS:** Decomposition and combustion materials may be toxic. Burning may produce carbon monoxide and other unidentified organic compounds.

**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, alcohol foam, dry chemical, water spray, or water fog. Water spray (fog) may cause frothing and foaming.

**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.

**FIRE AND EXPLOSION HAZARDS:** Product is a negligible fire hazard. Products are not sensitive to mechanical impact or static discharge.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

For spill of consumer product: Large spills are unlikely due to the packaging of product. Avoid prolonged skin and eye contact. Use care as spills may be slippery. Wipe up spilled material with cloth and transfer to a properly labeled container for disposal.

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For Industrial Spills: Wear protective equipment and provide engineering controls as specified in **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**. Contain spill away from surface water and sewers.

**SECTION 7: HANDLING AND STORAGE**

**HANDLING:** Risk in consumer handling of this product is expected to be low. Do not get this material in your eyes. Avoid spills of this material on your clothing. Do not breathe vapor or mist. Keep away from heat, sparks, or flame. Do not smoke while using this product. Do not mix with other materials. Keep out of reach of children.

**SHIPPING AND STORING:** Keep container tightly closed when not in use and during transport. Store containers in a cool, dry, well-ventilated place. Store between 35-120°F (1.6-49°C). Prevent product from freezing. 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. Keep product out of reach of children. Traces of free ethylene oxide may be present in this product and could accumulate in the headspace of storage and transport vessels. See **SECTION 14: TRANSPORTATION INFORMATION** for Packing Group information.

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

**EXPOSURE GUIDELINES**

**ENGINEERING CONTROLS:** Provide general ventilation. 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:** It is not expected that using this product as recommended would require wearing a respirator.

**EYE PROTECTION:** Where eye contact is likely, wear chemical goggles.

**SKIN PROTECTION:** Not necessary with normal use. Wear impervious gloves for prolonged contact.

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**PERSONAL HYGIENE:** Use good personal hygiene.

**OTHER PROTECTIVE EQUIPMENT:** Clean water should be available in work areas for flushing the eyes.

<b>SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES</b>
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<b>PHYSICAL STATE, APPEARANCE, AND ODOR:</b>	Opaque white liquid with lavender odor.
<b>ODOR THRESHOLD:</b>	Not available
<b>MOLECULAR WEIGHT:</b>	Not available
<b>SPECIFIC GRAVITY:</b>	0.891 (water = 1)
<b>DENSITY:</b>	0.8906+/- 3%
<b>VAPOR DENSITY:</b>	0.6
<b>VAPOR PRESSURE:</b>	18.29 mm Hg
<b>BOILING POINT:</b>	>210°F (>99°C)
<b>FREEZING/MELTING POINT:</b>	Not available
<b>pH:</b>	8.8
<b>EVAPORATION RATE:</b>	0.31 (butyl acetate = 1) (approximately)
<b>SOLUBILITY IN WATER:</b>	Soluble
<b>FLASH POINT:</b>	>200°F (93.3°C)
<b>FLAMMABLE LIMITS IN AIR:</b>	<b>LOWER:</b> 0.5% <b>UPPER:</b> 4.9%
<b>AUTOIGNITION TEMPERATURE:</b>	Not available
<b>% VOLATILE:</b>	Not available

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**SECTION 10: STABILITY AND REACTIVITY**

<b>STABILITY:</b>	Stable under normal temperatures and pressures.
<b>CONDITIONS TO AVOID:</b>	Heat, hot surfaces, sparks, and open flames.
<b>INCOMPATIBILITY:</b>	Strong oxidizing agents such as chlorine bleach and concentrated hydrogen peroxide; nitric acid, acetone, aldehydes, acids, bases, halogenated hydrocarbons, ketones, organic halides, fluorine gas, nitrates, and chlorates. Under certain conditions, may react with nitrites or other nitrosating agents to form carcinogenic nitrosamines.
<b>REACTIVITY:</b>	Polymerization is not known to occur under normal temperature and pressures. Not reactive with water.
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b>	Oxides of carbon. See also <b>SECTION 5: HAZARDOUS COMBUSTION PRODUCTS.</b>

**SECTION 11: TOXICOLOGICAL INFORMATION**

**TOXICITY DATA:**

**Component Analysis - LD50/LC50**

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

Inhalation LC50 Rat: >5.2 mg/L/4H;

Oral LD50 Rat: >5000 mg/kg;

Dermal LD50 Rabbit: >2000 mg/kg

**White mineral oil (8042-47-5)**

Oral LD50 Rat: >5000 mg/kg

**Polyethylene (9002-88-4)**

Inhalation LC50 Mouse: 12 g/m<sup>3</sup>/30M

**Alcohols, C9-11, ethoxylated (68439-46-3)**

Oral LD50 Rat: 1378 mg/kg;

Dermal LD50 Rabbit: >2 g/kg

<b>ACUTE EFFECTS:</b>	Exposure to this product causes eye irritation. Ingestion may cause gastrointestinal disturbances, including nausea, vomiting, and diarrhea.
<b>REPEATED DOSE EFFECTS:</b>	Repeated or prolonged exposure may cause irritation of the skin and respiratory system.

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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.

**TARGET ORGAN EFFECTS:** None identified.

<b>SECTION 12: ECOLOGICAL INFORMATION</b>
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**ECOTOXICITY:** Product is not expected to be harmful to aquatic life based upon an analysis of its components.

**Component Analysis - Ecotoxicity - Aquatic Toxicity**

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

<b>Test &amp; Species</b>		<b>Conditions</b>
96 Hr LC50 Pimephales promelas	45 mg/L	flow-through
96 Hr LC50 Lepomis macrochirus	1740 mg/L	static

**White mineral oil (8042-47-5)**

<b>Test &amp; Species</b>		<b>Conditions</b>
96 Hr LC50 Lepomis macrochirus	>10000 mg/L	

**PERSISTENCE/DEGRADABILITY:** Not expected to cause long-term adverse effects in the aquatic environment.

**BIOACCUMULATION/ACCUMULATION:** Product is not expected to bioaccumulate.

**MOBILITY IN ENVIRONMENTAL MEDIA:** No information available.



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**OTHER ADVERSE EFFECTS:** Product not expected to be toxic to aquatic life. Also see **SECTION 12: ECOLOGICAL INFORMATION.**

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

**VOLATILE ORGANIC COMPOUNDS:** 0.4% by weight

**SECTION 13: DISPOSAL CONSIDERATIONS**

**DISPOSAL:** Consumer may discard empty container in trash. Dispose in accordance with federal, state, provincial, and local regulations. Regulations may also apply to empty containers. Industrial users should contact Safety-Kleen regarding proper recycling or disposal.

**USEPA WASTE CODE(S):** Material, if discarded, is not expected to be a characteristic hazardous waste under RCRA. 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:** Not regulated as a hazardous material for transportation.

**TDG:** **Shipping Name:** Not regulated as a dangerous good for transportation.

**EMERGENCY RESPONSE GUIDE NUMBER:** Not applicable.

**SECTION 15: REGULATORY INFORMATION**

**USA REGULATIONS**  
**SARA SECTIONS**  
**302 AND 304:**

Based on the ingredient(s) listed in **SECTION 2**, these products do 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.

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**SARA SECTIONS 311 AND 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.

**SARA SECTION 313:** This product does not contain "toxic" chemical(s) 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 ingredient 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 does not contain detectable amounts of any chemical known to the State of California to cause cancer.

**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:** MSDS changed to Safety-Kleen ANSI format.

**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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