

MATERIAL SAFETY DATA SHEET



I PRODUCT IDENTIFICATION

MANUFACTURER'S NAME AND ADDRESS: PROSOCO, Inc.
3741 Greenway Circle
Lawrence, KS 66046

EMERGENCY TELEPHONE NUMBERS:
8:00 AM – 5:00 PM CST Monday-Friday: 785-865-4200
NON-BUSINESS HOURS (INFOTRAC): 800/535-5053

PRODUCT TRADE NAME: Enviro Klean[®] Safety Klean

II HAZARDOUS INGREDIENTS

CHEMICAL NAME	(COMMON NAME)	CAS NO.	NFPA CODE	ACGIH TLV/TWA	OSHA PEL/TWA
Proprietary Organic Salt*	(None)	Not Available	1,0,1,B	Not Established	Not Established
Cationic surfactant	Cationic surfactant	Not Available	Not Available	Not Established	Not Established

*Specific chemical identity withheld as a trade secret pursuant to OSHA regulations.

III PHYSICAL DATA

	BOILING POINT (°F)	VAPOR PRESSURE (mm Hg)	VAPOR DENSITY (1=Air)	EVAPORATION RATE (1 = Ethyl ether)
Proprietary Organic Salt	212°F	Not Available	Not Available	Not Available
Cationic surfactant	Not Available	Not Available	>1.0	>1.0

	SPECIFIC GRAVITY	SOLUBILITY IN WATER	APPEARANCE AND ODOR
Enviro Klean [®] Safety Klean	1.15	100%	Clear, amber liquid, clean odor

IV FIRE AND EXPLOSION HAZARD DATA

EMERGENCY OVERVIEW

Enviro Klean[®] Safety Klean is an amber-colored liquid with a clean-smelling odor. Wear splash-proof chemical goggles when handling this product. Product may cause burns to eyes when in direct contact.

FLASH POINT (METHOD): Does not ignite. (ASTM D 3278)

FLAMMABLE LIMITS: Unknown

EXTINGUISHING MEDIA: Any media appropriate for surrounding the type of fire involving this product.

SPECIAL FIRE FIGHTING PROCEDURES: Wear NIOSH/MSHA approved self-contained breathing apparatus with a full face piece operated in pressure demand or other positive pressure mode and full body protective clothing when fighting fires. Water may be used to cool closed containers.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Contact with most metals at temperatures above 140 degrees F may cause reaction and release of hydrogen gas, which can form explosive mixtures with air. Extinguish all nearby sources of ignition.

V HEALTH HAZARD DATA

PRIMARY ROUTES OF EXPOSURE: Ingestion, skin, eyes.

CARCINOGEN INFORMATION: Not listed (IARC, NTP or ACGIH).

MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE: None known.

EFFECTS OF OVEREXPOSURE: None known.

EYE CONTACT: Causes burns to the eyes. Liquid or concentrated vapors can cause eye irritation, severe burns and permanent damage including blindness even after a short exposure to small amounts.

SKIN CONTACT: Prolonged or repeated contact with liquid can cause irritation.

INHALATION: Not a likely route of exposure due to physical properties of product. Product has a low vapor pressure at room temperature and is not expected to present a significant inhalation hazard under ambient conditions. Product can be irritating to the respiratory tract if inhaled as a mist or if the material vaporized.

INGESTION: Unlikely route of exposure. This product may be harmful or fatal if ingested.

EMERGENCY AND FIRST AID PROCEDURES:

EYE CONTACT: Rinse eyes with large quantities of water for at least 15 minutes, holding eyelids apart to ensure flushing of the entire eye surface. Get medical attention immediately.

SKIN CONTACT: Remove contaminated clothing and flush exposed area with large quantities of water for at least 15 minutes. Launder contaminated clothing before reuse. Discard contaminated shoes. Get immediate medical attention.

INHALATION: Remove person to fresh air. If breathing stops, administer artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Get medical attention immediately.

INGESTION: If conscious, give large quantities of water or milk. Do NOT induce vomiting. Get medical attention immediately. Do not give anything by mouth to an unconscious or convulsing person.

VI REACTIVITY DATA

STABILITY: Normally Stable

CONDITIONS TO AVOID: Avoid excessive heat for prolonged periods of time. Contact with strong bases (alkali), can cause violent reaction generating large amounts of heat.

INCOMPATIBILITY (MATERIALS TO AVOID): Metals, oxidizing agents, nitric acid, chlorates, sulfides, and cyanides. Contact with sulfides releases poisonous flammable hydrogen sulfide.

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS: Fire creates: Carbon monoxide (CO) and Carbon Dioxide (CO₂) Hydrogen gas when contacting metals, hydrogen chloride, carbon monoxide and carbon dioxide. Hydrogen gas generation has the highest potential for harm in confined or poorly ventilated areas where concentrations can approach flammable or explosive concentrations.

VII SPILL OR LEAK PROCEDURES

SPILL, LEAK, WASTE DISPOSAL PROCEDURES: Follow all precautionary instructions. Supply adequate ventilation. Contain with inert material and prevent from reaching drains, sewers and surface waters. Dilute with water and neutralize with baking soda, lime or other alkaline compound. Collect for disposal. Clean up remaining materials from spill with suitable absorbent.

WASTE DISPOSAL METHODS: Product as supplied is classified as a hazardous waste for the characteristic of corrosivity. Recovered solids or liquids may be disposed of in a permitted waste management facility. Neutralized materials may be discharged to a sanitary sewer with approval of the receiving treatment plant. Typical pH range of 6-10 is generally considered appropriate for discharge. Consult federal, state, and/or local authorities for approved procedure. For additional information regarding handling and disposal of rinse-water, please review Technical Bulletin 200-CW "Controlled Handling of Cleaning Wastewater". Empty containers must be triple rinsed before disposal in a permitted sanitary landfill. Check local restrictions. Empty container should be rinsed with water to remove all residue before disposal.

VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Not normally needed if good ventilation is maintained. Wear a NIOSH approved dust/mist respirator when mists are present.

VENTILATION: Product has low vapor pressure and is not expected to evolve vapors. Provide sufficient general and/or local exhaust ventilation when mists are present or if working in enclosed spaces.

PROTECTIVE CLOTHING: Wear splash resistant neoprene or PVC rain suit as needed to prevent prolonged skin contact. Wear splash boots as needed.

PROTECTIVE GLOVES: Nitrile rubber type, neoprene or PVC with acceptable acid resistance.

EYE PROTECTION: Chemical splash goggles and/or full face shield (8 inch minimum) in compliance with OSHA regulations. Do not wear contact lenses because they may contribute to the severity of an eye injury.

OTHER PROTECTIVE EQUIPMENT: Acid-resistant rubber boots, headgear. An eyewash should be accessible to the work area. Supply fresh water for rinsing skin.

IX SPECIAL PRECAUTIONS

WORK PRACTICES: Proper work practices and planning should be utilized to avoid contact with workers, passersby, and non-masonry surfaces. Brush on or apply at the lowest practical pressure. Do not atomize during application. Application equipment, scaffolding, swing stages and support systems must be constructed of acid resistant materials. Use only well maintained staging and scaffolding that is equipped with steel cable. Use polypropylene ropes and safety lines. Dilution and application equipment should be of polypropylene or HDPE construction. Beware of wind drift. Wind-drift hazards may be diminished by pre-rinsing with low-pressure water before pressure washing. Divert pedestrian traffic around work areas. See the Product Data sheet and label for specific precautions to be taken during use. Smoking, eating and drinking should be discouraged during the use of this product. Wash hands after handling or use.

This product is only to be used as supplied and specified. Do not alter, mix with chlorine-type bleaches or other chemicals, or dilute product except as specified on the label and Product Data sheet.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Use proper safety equipment (see section VIII) when handling. Store in a cool, well-ventilated area. Separate from oxidizing agents, nitric acid, alkalis, chlorates, sulfides, etc. (see section VI). Do not remove product label. Material diluted for application must be properly labeled and stored in acid-resistant containers with rubber-lined steel, polypropylene or polyethylene construction..

Addition of acidic cleaner to water releases heat, which can result in violent boiling and spattering. Always add cleaner to water slowly and in small amounts. Never use hot water. Never add water to acidic cleaners.

X REGULATORY INFORMATION

SHIPPING: This product carries the shipping description “**Corrosive liquid, acidic, organic, n.o.s., (contains urea salts), 8, UN3265, III**” for shipping by ground, air and ocean transport. The product meets applicable DOT and UN standards when shipped in the original, unopened factory packaging, although container size may be limited for air transport. Some parcel shipping companies may limit container sizes.

NATIONAL MOTOR FREIGHT CLASSIFICATION: 44157 Sub 3 Rate Class: 85

SARA 313 REPORTABLE:

CHEMICAL NAME	CAS	UPPERBOUND CONCENTRATION % BY WEIGHT
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None

CALIFORNIA PROPOSITION 65: This product contains no chemicals listed under California's Proposition 65.

XI OTHER

MSDS Status: **Date of Revision:** February 7, 2005
For Product Manufactured After: February, 2005
Changes: Updated National Motor Freight Classification, Section X
Item #: 41035
Approved By: Regulatory Department

DISCLAIMER:

The information contained on the Material Safety Data Sheet has been compiled from data considered accurate. This data is believed to be reliable, but it must be pointed out that values for certain properties are known to vary from source to source. **PROSOCO, Inc. expressly disclaims any warranty express or implied as well as any liability for any injury or loss arising from the use of this information or the materials described.** This data is not to be construed as absolutely complete since additional data may be desirable when particular conditions or circumstances exist. It is the responsibility of the user to determine the best precautions necessary for the safe handling and use of this product for his unique application. This data relates only to the specific material designated and is not to be used in combination with any other material. Many federal and state regulations pertain directly or indirectly to the product's end use and disposal of containers and unused material. It is the purchaser's responsibility to familiarize himself with all applicable regulations.

DATE OF PREPARATION: February 7, 2005