

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 Peel 2

II HAZARDOUS INGREDIENTS

CHEMICAL NAME	(COMMON NAME)	CAS NO.	NFPA CODE	ACGIH TLV/TWA	OSHA PEL/TWA
Potassium Hydroxide solution	(Potassium Hydrate)	1310-58-3	3,0,1,-	2 mg/m ³ (ceiling)	2 mg/m ³ (ceiling)
Dipropylene Glycol Methyl Ether	(DPM)	34590-94-8	0,2,0,-	100 ppm	100 ppm

Percentage content of hazardous ingredients withheld as trade secret pursuant to OSHA regulations.

III PHYSICAL DATA

	BOILING POINT (°F)	VAPOR PRESSURE (mm Hg)	VAPOR DENSITY (Air=1)	EVAPORATION RATE (Butyl Acetate=1)
Potassium Hydroxide solution	>270 °F	>6.39 (77°F)	N/D	N/D
Dipropylene Glycol Methyl Ether	363°F	0.55 (68°F)	5.14	<0.1

	SPECIFIC GRAVITY	SOLIBILITY IN WATER	APPEARANCE AND ODOR
Enviro Klean [®] Safety Peel 2	1.28	Partial	Yellow paste, mild odor

IV FIRE AND EXPLOSION HAZARD DATA

EMERGENCY OVERVIEW

Enviro Klean[®] Safety Peel 2 is a highly corrosive, caustic material. Prevent skin, eye and respiratory contact. Exposed areas must be rinsed immediately with large quantities of water.

FLASH POINT (METHOD): >225°F (ASTM D 3278)

FLAMMABLE LIMITS: Not determined.

EXTINGUISHING MEDIA: Carbon dioxide, dry chemical, regular foam, or water fog.

SPECIAL FIRE FIGHTING PROCEDURES: Do not enter confined fire space without proper protective equipment including a NIOSH/MSHA approved self-contained breathing apparatus. Cool fire exposed containers, surrounding equipment and structures with water.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Keep container tightly closed. Isolate from oxidizers, heat, and open flame. Closed containers may burst if exposed to extreme heat. Applying to hot surfaces requires special precautions. Product can react violently with concentrated acids.

V HEALTH HAZARD DATA

PRIMARY ROUTES OF EXPOSURE: Skin, eyes, inhalation

CARCINOGEN INFORMATION: No components in this product, present in excess of 0.1% by weight are listed as carcinogens by IARC, NTP, or OSHA.

MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE: Pre-existing skin, eye and respiratory disorders may be aggravated by overexposure to this product.

EFFECTS OF OVEREXPOSURE: Irritation of eyes, nose and respiratory passages, central nervous system depression, possible minor liver and kidney effects. Causes severe burns to skin and eyes, resulting in deep ulceration and ultimate scarring. Possible headache, nausea, and pneumonia.

Chronic overexposure: The chronic local effect may consist of multiple areas of superficial destruction of the skin or of primary irritant dermatitis. Similarly, inhalation of dust, spray, or mist may result in varying degrees of irritation or damage to the respiratory tract tissues and an increased susceptibility to respiratory illness.

EYE CONTACT: Destructive to eye tissues on contact. Will cause severe burns that result in damage to the eyes and even blindness.

SKIN CONTACT: Destructive to tissues contacted and produces severe burns.

INHALATION: Airborne concentrations of dust, mist or spray may cause damage to the upper respiratory tract and even to the lung tissue proper, which could produce chemical pneumonia, depending upon severity of exposure. May cause drunkenness. Anesthetic or narcotic effect may occur.

INGESTION: Can cause severe burns and complete tissue perforation of mucous membranes of the mouth, throat, esophagus, and stomach if swallowed.

EMERGENCY AND FIRST AID PROCEDURES:

EYE CONTACT: Immediately flush eyes with large amounts of water for at least 15 minutes, holding eyelids apart to ensure flushing of the entire eye surface. Washing eyes within one minute is essential to achieve maximum effectiveness. Seek medical attention immediately.

SKIN CONTACT: Immediately wash contaminated skin with plenty of water. Presence of a slippery residue indicates that some caustic still remains. Remove contaminated clothing and footwear and wash clothing before reuse. Discard footwear that cannot be decontaminated. Seek medical attention immediately.

INHALATION: Get person out of contaminated area to fresh air. If breathing has stopped, artificial respiration should be started. Oxygen may be administered if readily available. Seek medical attention immediately.

INGESTION: DO NOT induce vomiting. Give large quantities of water. If available, give several glasses of milk. Never give anything by mouth to an unconscious person. Seek medical attention immediately.

VI REACTIVITY DATA

STABILITY: Stable.

CONDITIONS TO AVOID: Contact with strong acids, aluminum, tin, zinc, and alloys of these metals.

INCOMPATIBILITY (MATERIALS TO AVOID): Avoid contact with leather, wool, aluminum, tin, zinc, and alloys containing these metals. Do not mix with strong acids without dilution and agitation to prevent violent or explosive reaction. Oxidizing agents, sodium nitrite or other nitrosating agents.

VII SPILL OR LEAK PROCEDURES

SPILL, LEAK, WASTE DISPOSAL PROCEDURES: Stop leaks, contain spill. Remove as much as possible by shoveling up or removing by vacuum truck. Reuse spilled material if possible, otherwise, place in a closed, labeled container and store in a safe place to await proper disposal. Neutralize remaining traces of material with **dilute** acid (hydrochloric, phosphoric or acetic). Flush area with water followed by liberal covering of sodium bicarbonate. Persons performing this work should wear adequate personal protective equipment and clothing. **CAUTION:** May react violently with concentrated acids and with water.

WASTE DISPOSAL METHODS: Dispose in accordance with all federal, state and local regulations. This product is classified by characteristic as a hazardous waste due to its high alkalinity. Properly neutralized product and rinsewater should not be classified as a hazardous waste. DPM is readily biodegradable in sewage treatment processes. Neutralized materials should be acceptable for discharge to sanitary sewer with approval of the treatment plant operators. Refer to Technical Bulletin 200 CW for more detailed information. In absence of proper regulatory approval, wastes should be considered hazardous, collected and disposed of in accordance with state and federal regulations. Constituent materials of coatings being removed with this product may necessitate reclassification of waste materials in accordance with USEPA hazardous waste regulations.

VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: A NIOSH approved dust/mist respirator should be used if mists are present to avoid contact with mucous membranes. If DPM concentrations exceed the TLV, NIOSH requires the use of a supplied air respirator. For emergencies, a self-contained breathing apparatus or a full-face respirator as approved by NIOSH/MSHA is recommended.

VENTILATION: Good industrial hygiene practice dictates that the work area should be isolated and contained, and provided with adequate local exhaust ventilation or other controls to maintain the air concentrations below established exposure limits.

PROTECTIVE CLOTHING: Skin and eyes must be protected from exposure to product and mists during handling and use. Wear rubber, PVC, or neoprene gloves, splash boots and an apron or rain suit depending on application procedures and jobsite conditions.

PROTECTIVE GLOVES: Gloves coated with rubber, synthetic elastomers, PVC, or other plastic should be worn when handling to minimize skin contact.

EYE PROTECTION: Chemical splash goggles and/or a face shield should be worn when working with or around this material.

OTHER PROTECTIVE EQUIPMENT: Safety showers and eyewash stations should be provided in all areas in which this product is handled.

IX SPECIAL PRECAUTIONS

WORK PRACTICES: Proper work practices and planning should be utilized to avoid contact with workers, passersby, and non-masonry surfaces. Do not allow product to completely dry after application as alkaline dust may be generated. Beware of wind drift. Wind-drift hazards may be diminished by pre-rinsing with low-pressure water before pressure washing. 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 and use.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: DANGER! Causes severe burns to skin and eyes. Do not get in eyes, on skin or on clothing. Avoid breathing fumes or mist. Do not take internally. When handling, wear goggles, face shield, rubber gloves, apron and protective clothing. In case of contact, flush skin and/or eyes with water for at least 15 minutes and call a physician. Remove contaminated clothing and wash before reuse. Discard footwear that cannot be decontaminated. If ingested, do not induce vomiting. If patient is conscious, give liberal amounts of milk or water. **Call physician!** Final objective in case of overexposure is to get patient to hospital emergency room.

OTHER PRECAUTIONS: Keep containers closed and away from excessive heat or flame. Avoid contact with strong acids.

X REGULATORY INFORMATION

SHIPPING: The proper shipping description for domestic transport only is **UN3066, Paint Related Material, 8, II**. The shipping description must be modified for marine transport. This product and packaging combination is not allowed in air transport.

NATIONAL MOTOR FREIGHT CLASSIFICATION: NMFC #149980 Sub 2 Class Rate: 55

SARA 313 REPORTABLE:

CHEMICAL NAME	CAS	UPPERBOUND CONCENTRATION % BY WEIGHT
DPM (Glycol ethers)	34590-94-8	10%

CALIFORNIA PROPOSITION 65: This product does not contain chemicals listed under California's Proposition 65.

XI OTHER

MSDS Status: **Date of Revision:** April 18, 2008
For Product Manufactured After: Formulation change
Changes: Updated hazardous ingredients list
Item #: 41012
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: April 18, 2008