

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 3

II HAZARDOUS INGREDIENTS

CHEMICAL NAME	(COMMON NAME)	CAS NO.	NFPA CODE	ACGIH TLV/TWA	OSHA PEL/TWA
2-Hydroxymethylfuran	Furfuryl Alcohol	98-00-0	1,2,1,-	10 ppm	10 ppm
Ethyl Alcohol	Ethanol	64-17-5	1,3,0,-	1000 ppm	1000 ppm
Terpene Hydrocarbon	d-Limonene	5989-27-5	1,2,0,-	Not established	Not established
Alkyl Phenol Ethoxylates	Nonionic surfactant	Mixture	3,1,0-	Not established	Not established

*Specific chemical identity 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)
Furfuryl Alcohol	338°F	0.4 (68°F)	3.4	Not established
Ethyl Alcohol	147°F	48.4 (68°F)	1.60	3.30
Terpene Hydrocarbon	352°F	1.0	4.7	Not established
Alkyl Phenol Ethoxylates	392°F	<.01	>1.0	<.01

	SPECIFIC GRAVITY	SOLUBILITY IN WATER	APPEARANCE AND ODOR
Enviro Klean [®] Safety Peel 3	1.20	Miscible	Blue paste, strong alcohol odor

IV FIRE AND EXPLOSION HAZARD DATA

EMERGENCY OVERVIEW

Enviro Klean[®] Safety Peel 3 is a blue paste with a strong alcohol odor. It is a combustible liquid. Eliminate potential sources of ignition. Product may cause eye or skin irritation upon exposure. Product may have violent, exothermic polymerization reaction on contact with acids.

FLASH POINT (METHOD): 120°F (ASTM D 3278)

FLAMMABLE LIMITS: Not available.

EXTINGUISHING MEDIA: Extinguish fires with alcohol-type or all-purpose-type foam by manufacturer's recommended techniques for large fires. Use CO₂ or dry chemical media for small fires.

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: Acid contamination can cause violent, exothermic polymerization. Vapors form from this product and may travel or be moved by air currents and ignited by pilot lights, other flames, smoking, sparks, heaters, electrical equipment, static discharges or other ignition sources at locations distant from product handling point.

V HEALTH HAZARD DATA

PRIMARY ROUTES OF EXPOSURE: Skin, eyes, inhalation, ingestion.

CARCINOGEN INFORMATION: Not listed (OSHA, IARC, NTP*). *This product contains furfuryl alcohol, which was cited in NTP Draft Technical Report TR-482 (2-year inhalation studies on rats and mice) to show some evidence of carcinogenic activity. Male and female rats showed nasal neoplasms, and female rats showed kidney neoplasms as well. Some evidence of carcinogenic activity was noted in male mice, in the form of kidney neoplasms, while there was no evidence of carcinogenic activity in female mice.

MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE: Repeated exposure to ethanol may aggravate liver injury produced from other causes.

EFFECTS OF OVEREXPOSURE: Acute overexposure results in headache, irritation of skin, eyes and respiratory tract, as well as central nervous system depression.

EYE CONTACT: Direct liquid contact will cause irritation, experienced as stinging with excess blinking and tear production. Excess redness of the conjunctiva may occur.

SKIN CONTACT: Prolonged and repeated contact with skin will cause severe irritation, resulting in reddening, drying, and cracking of affected areas. Prolonged or repeated contact can cause dermatitis.

INHALATION: Exposure to high concentrations or prolonged exposure to lower concentrations may be slightly irritating to mucous membranes, cause dizziness, weakness, fatigue, nausea, headaches, and central nervous system depression.

INGESTION: Ingestion may cause drowsiness, dizziness, headaches, or nausea. This product is toxic by ingestion. Keep away from food. Seek medical attention immediately if ingested. Primary health effects are due to ethyl alcohol and should be treated in a similar manner as alcohol poisoning. Aspiration into lungs may cause chemical pneumonia or pulmonary edema.

EMERGENCY AND FIRST AID PROCEDURES:

EYE CONTACT: If in eyes, flush with large amounts of water for 15 minutes, lifting upper and lower lids occasionally. If persistent irritation occurs, get medical attention.

SKIN CONTACT: Wash with soap and water. Remove contaminated clothing and do not reuse until laundered. If persistent irritation occurs, get medical attention.

INHALATION: Remove to fresh air. Give artificial respiration if not breathing. If breathing is difficult, oxygen may be given by qualified personnel. Obtain medical attention.

INGESTION: Do not induce vomiting. If conscious, give two glasses of water and call a doctor, emergency room or poison control center for immediate assistance. Get medical attention.

VI REACTIVITY DATA

STABILITY: Stable.

CONDITIONS TO AVOID: Normally stable, see warnings below.

INCOMPATIBILITY (MATERIALS TO AVOID): Strong mineral acids, strong oxidizing agents. Contact with acids can cause violent eruptions and/or explosions.

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS: Normal products of combustion, including carbon dioxide and carbon monoxide.

VII SPILL OR LEAK PROCEDURES

SPILL, LEAK, WASTE DISPOSAL PROCEDURES: Eliminate ignition sources. Wear protective clothing and respirator appropriate for conditions. Collect material and place in drums for disposal. Flush area with water to remove trace residue; collect flush solutions for disposal. Avoid acid contamination.

WASTE DISPOSAL METHODS: As supplied, this product is classified as a hazardous waste for the characteristic of ignitability. When tested under laboratory conditions, the product had a flashpoint in excess of 140°F after a 3-hour dwell period. Under these conditions, the product would not be classified as a hazardous waste under USEPA regulations. Properties of product wastes will vary depending on temperature, dwell period, dilution during rinsing and contaminants contributed by the coating being removed. Empty containers may be disposed of in a sanitary landfill provided that no more than 3% residue remains. Check local restrictions.

VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: A NIOSH/MSHA jointly approved air supplied respirator is advised in absence of proper environmental conditions if the TLV for ethyl alcohol is exceeded. For furfuryl alcohol concentrations in excess of the TLV, use a NIOSH approved chemical cartridge respirator with organic vapor cartridges. Engineering or administrative controls should be implemented to reduce exposure. This product is designed to limit airborne lead and other metals during use, however, additional respiratory protection may be required for lead in air. Consult with OSHA regulations.

VENTILATION: Provide sufficient general and/or local ventilation to maintain levels below the TLV.

PROTECTIVE CLOTHING: As normally required to prevent skin contact. Long sleeve work clothing is appropriate provided that it is not saturated with rinse water generated during use. Additional splash protective clothing is recommended if this is the case.

PROTECTIVE GLOVES: Wear nitrile or neoprene gloves.

EYE PROTECTION: Chemical splash goggles are advised. The product is thickened and generally does not splash. Depending on application methods and jobsite conditions, the employer may opt to use safety glasses with side shields if consistent with OSHA's general duty standard.

OTHER PROTECTIVE EQUIPMENT: An eyewash should be located near the work area. Provide fresh water for washing skin.

IX SPECIAL PRECAUTIONS

WORK PRACTICES: Proper work practices and planning should be utilized to avoid contact with workers, passersby, and non-targeted surfaces. See the Product Data sheet and label for specific precautions to be taken during use. **This product is combustible!** Use care when applying to heated surfaces. Eliminate all sources of ignition, even remote sources, as vapors may travel some distance. Smoking, eating and drinking should be prohibited during the use of this product. Wash hands before breaks and at the end of a shift.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Store away from acids in a cool, dry place with adequate ventilation. Keep away from heat and open flames. Keep containers tightly sealed.

OTHER PRECAUTIONS: Avoid acid contamination. No smoking or eating in handling area.

X REGULATORY INFORMATION

SHIPPING: This product carries the proper shipping description '**UN1263, Paint Related Material, 3, III**'. This product and packaging combination may be restricted in air shipment. Consult with PROSOCO's Regulatory Department for more information.

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

SARA 313 REPORTABLE:

CHEMICAL NAME	CAS	UPPERBOUND CONCENTRATION % BY WEIGHT
N/A		

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

XI OTHER

MSDS Status: **Date of Revision:** April 18, 2007
For Product Manufactured After: N/A – No product reformulation
Changes: Updated Shipping Description (Section X) for DOT Regulation Compliance
Item #: 41013
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, 2007