

# 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<sup>®</sup> BioWash

## II INGREDIENT INFORMATION

INGREDIENT NAME: ACTIVE:	(COMMON NAME)	CAS NO.	ACGIH TLV/TWA	OSHA PEL/TWA
Di-(C8-10)-alkyl dimethyl ammonium chlorides	(Quaternary compounds)	68424-95-3	None established	None established
Alkyl dimethyl benzyl ammonium chloride (C12-16)	(Quaternary compounds)	68424-85-1	None established	None established
Nonyl Phenol Ethoxylate	(Nonionic surfactant)	9016-45-9	None established	None established

## III PHYSICAL DATA

	BOILING POINT (°F)	VAPOR PRESSURE (mm Hg)	VAPOR DENSITY (Air = 1)	EVAPORATION RATE
Di-(C8-10)-alkyl dimethyl ammonium chlorides	Not Determined	Not Determined	Heavier than air	Slower than ethyl ether
Alkyl dimethyl benzyl ammonium chloride (C12-16)	Not Determined	Not Determined	Heavier than air	Slower than ethyl ether
Nonyl Phenol Ethoxylate	>201°F	Not Determined	Heavier than air	Slower than ethyl ether

  

	SPECIFIC GRAVITY	pH	SOLUBILITY IN WATER	APPEARANCE AND ODOR
Enviro Klean <sup>®</sup> BioWash	1.00	5.5-6.5	100%	Clear liquid, low odor

## IV FIRE AND EXPLOSION HAZARD DATA

### EMERGENCY OVERVIEW

Enviro Klean<sup>®</sup> BioWash is a clear, low odor liquid. This product may cause moderate eye irritation. May cause mild skin irritation after prolonged contact. Material is stable and will not burn. Nontoxic by inhalation. Inhalation of concentrate mists may cause upper respiratory irritation.

**FLASH POINT (METHOD):** Material is stable and will not burn.

**FLAMMABLE LIMITS:** Material is stable and will not burn.

**EXTINGUISHING MEDIA:** Not flammable/nonexplosive.

**SPECIAL FIRE FIGHTING PROCEDURES:** No special procedures required.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** None required.

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## V HEALTH HAZARD DATA

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**HUMAN HEALTH EFFECTS:** BioWash is a moderate eye irritant; mucous membranes may become irritated by concentrate mist.

Prolonged skin contact with BioWash may irritate the skin. Repeated application to the skin without rinsing or continuous contact of BioWash on the skin may lead to irritation. Allergic reactions are not anticipated.

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

**CARCINOGEN INFORMATION:** Not listed (OSHA, IARC, NTP).

**MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE:** Allergic reactions are not anticipated.

**EFFECTS OF OVEREXPOSURE:** None expected based upon the available toxicity data.

**EYE CONTACT:** This product may be irritating to the eyes. Caution, including reasonable eye protection, should always be used to avoid eye contact where splashing may occur, such as during spray applications.

**SKIN CONTACT:** May cause skin irritation. Gloves recommended for prolonged exposure. Rinse completely from skin after contact. Repeated or prolonged contact may cause moderate to severe irritation.

**INHALATION:** Mists may be irritating to the respiratory tract and mucous membranes.

**INGESTION:** Ingestion may cause irritation of the mouth, throat and gastrointestinal tract. Ingestion of this product may result in central nervous system effects including headache, sleepiness, dizziness, slurred speech and blurred vision.

### **EMERGENCY AND FIRST AID PROCEDURES:**

**EYE CONTACT:** Immediately rinse the eye with large quantities of cool water; continue 15 minutes or until the material has been removed. Both upper and lower lids should be lifted to facilitate thorough rinsing. Seek medical attention at once.

**SKIN CONTACT:** Concentrate may cause irritation. Minimal effects, if any, from diluted product. Rinse skin with water, rinse shoes and launder clothing before reuse. Wear protective gloves if long-term exposure is likely. If irritation persists, get medical attention.

**INHALATION:** Prolonged exposure of workers to concentrate-mist during spray application may cause reversible irritation of nasal passages or throat. Relocate workers to fresh air. If symptoms persist, get medical attention.

**INGESTION:** Give several glasses of milk or water to dilute; do not induce vomiting. Depending on volume ingested relative to size of individual can cause nausea and diarrhea. Get immediate medical attention.

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## VI REACTIVITY DATA

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**STABILITY:** Stable.

**CONDITIONS TO AVOID:** None.

**INCOMPATIBILITY (MATERIALS TO AVOID): Chlorine.** Product should not come into contact with chlorinated products, or other strong oxidizers.

**HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS:** At thermal decomposition temperatures, carbon monoxide, carbon dioxide, and oxides of nitrogen.

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## VII SPILL OR LEAK PROCEDURES

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**SPILL, LEAK, WASTE DISPOSAL PROCEDURES:** Recover usable material by convenient method. Residual may be removed by wipe or wet mop.

**WASTE DISPOSAL METHODS:** Fully soluble in water and with dilution is biodegradable. If disposed by sanitary sewer or drain, diluted solutions should not harm sewage-treatment microorganisms. Dispose of in accordance with all applicable local, state, and federal laws. Do not reuse container. Drain container before disposal in household trash.

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**VIII SPECIAL PROTECTION INFORMATION**

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**RESPIRATORY PROTECTION:** No special requirements under normal use conditions. Wear a NIOSH approved dust/mist respirator, when mists are present.

**VENTILATION:** No special ventilation is required during use.

**PROTECTIVE CLOTHING:** If you experience dermal sensitivity, wear protective clothing such as long-sleeved work shirt and pants, work boots and neoprene gloves to avoid prolonged skin contact. Do not allow clothing to become saturated with product. If work practices cannot be adjusted to avoid excess clothing saturation, splash resistant or Tyvek® clothing and boots may be required.

**PROTECTIVE GLOVES:** Use Neoprene or PVC gloves as necessary to avoid prolonged contact.

**EYE PROTECTION:** Safety glasses with side shields are recommended during use. If work practices or application technique cause a risk of splashing or excessive wind drift, then splash-resistant goggles may be required.

**OTHER PROTECTIVE EQUIPMENT:** Access to eyewash is recommended. Provide fresh water for rinsing skin.

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**IX SPECIAL PRECAUTIONS**

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**WORK PRACTICES:** Proper work practices and planning should be utilized to avoid contact with workers, passersby, and non-masonry surfaces. Do not atomize during application. Beware of wind drift. 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, or any chemical product. Wash hands thoroughly after handling.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** No special precautions required. This product is non-hazardous for storage and transport by all modes of transport. Store in a cool and dry place.

**OTHER PRECAUTIONS:** None.

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**X REGULATORY INFORMATION**

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**SHIPPING:** Non-hazardous for transport by all modes.

**SARA 313 REPORTABLE:****CHEMICAL NAME****CAS****UPPERBOUND CONCENTRATION % BY WEIGHT**

N/A

**CALIFORNIA PROPOSITION 65:**

Contains no chemicals listed under Proposition 65.

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**XI OTHER**

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**MSDS Status:****Date of Revision:** April 18, 2002**For Product Manufactured After:** N/A – new product**Changes:** Section III – pH corrected..**Item #:** 41055**Approved By:** Regulatory Department

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**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, 2002** \_\_\_\_\_