

MATERIAL SAFETY DATA SHEET

PROSOCO, Inc.



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: Sure Klean[®] Limestone & Masonry Afterwash

II HAZARDOUS INGREDIENTS

CHEMICAL NAME	(COMMON NAME)	CAS NO.	NFPA CODE	ACGIH TLV/TWA	OSHA PEL/TWA
Ethanoic Acid	(Acetic Acid, Glacial)	64-19-7	3,2,0,-	10 ppm	10 ppm
Organic Acid*			1,0,0,-	Not Listed	Not Listed

* Specific chemical identity and 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)
Ethanoic Acid	245°F	15.70 (68°F)	2.07	.97
Organic Acid	>212°F	Not Available	Not Available	<1.00

	SPECIFIC GRAVITY	pH	SOLUBILITY IN WATER	APPEARANCE AND ODOR
Limestone & Masonry Afterwash	1.02	1.10 (concentrate)	Complete	Clear liquid, pungent, vinegar-like odor

IV FIRE AND EXPLOSION HAZARD DATA

EMERGENCY OVERVIEW

Sure Klean[®] Limestone & Masonry Afterwash is a clear liquid with a strong, pungent, vinegar-like odor. Vapors may cause severe respiratory tract irritation, and contact with skin or eyes may result in burns or severe irritation. Always wear appropriate personal protection equipment when handling this product.

FLASH POINT (METHOD): >200°F (ASTM D 93)

FLAMMABLE LIMITS: Not determined.

EXTINGUISHING MEDIA: Use dry chemical, alcohol foam, all purpose AFFF or carbon dioxide to extinguish fire. Water may be ineffective but should be used to cool fire-exposed containers, structures, and to protect personnel.

SPECIAL FIRE FIGHTING PROCEDURES: Wear NIOSH/MSHA approved positive pressure self-contained breathing apparatus with full face mask and full protective clothing when fighting fires. Use water spray to cool fire-exposed structures and storage tanks and to disperse vapor cloud if fire is not present.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Vapors can form flammable or explosive mixtures with air. Do not cut, drill, or weld on or near full or empty containers because the product or residue from the product could ignite explosively in the container.

V HEALTH HAZARD DATA

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

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

MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE: No applicable information found.

EFFECTS OF OVER EXPOSURE: Causes severe damage to eyes and even blindness very rapidly. Causes burns, possible deep ulceration to skin. Breathing of mist or dust can cause damage to nasal and respiratory passages. Swallowing results in severe damage to mucous membranes and deep tissue.

EYE CONTACT: Liquid or concentrated vapors can cause eye irritation, severe burns and permanent damage, including blindness, even after a short exposure to small amounts. Direct contact may cause conjunctivitis, redness, pain, blurred vision, conjunctival and corneal destruction and permanent injury.

SKIN CONTACT: Liquid or concentrated vapors can rapidly cause burning of skin, as well as reddening, itching, inflammation, blistering, and tissue damage. Repeated or prolonged contact with dilute solutions and concentrated vapors can cause irritation and dermatitis.

INHALATION: May cause irritation, coughing, chest pain, difficulty in breathing. Prolonged exposure to high vapor concentrations may result in the inhalation of harmful amounts of material. Repeated exposure to high vapor concentrations may produce respiratory tract irritation with pharyngeal edema, chronic bronchitis, discoloration of teeth and thickening of the skin.

INGESTION: Causes burning abdominal pain, nausea, vomiting, shock state, collapse. Causes severe irritation or chemical burns of mouth, throat, esophagus, and stomach, followed by nausea, abdominal spasms, vomiting, hematemesis and diarrhea.

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. If physician is not immediately available, continue flushing with water. **Do not use a chemical antidote.**

SKIN CONTACT: Remove contaminated clothing and flush exposed area with large quantities of water for at least 15 minutes. Discard contaminated clothing and leather goods that cannot be adequately laundered to remove all traces of material. 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. Keep affected person warm and at rest. Get medical attention immediately.

INGESTION: If conscious, give large quantities of water or milk. Do not induce vomiting. Get medical attention immediately. If large volumes are swallowed, acidosis may occur and require appropriate acid-base management.

VI REACTIVITY DATA

STABILITY: Stable.

CONDITIONS TO AVOID: Contact with strong bases (alkali), chromic acid, nitric acid, amines, and oxidizing materials can cause violent reaction generating large amounts of heat.

INCOMPATIBILITY (MATERIALS TO AVOID): Metals, oxidizing agents, nitric acid, hydrofluoric acid, chromic acid, alkalies, amines, and strong mineral acids.

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS: Irritating and toxic fumes may be emitted upon decomposition. Combustion may produce CO and CO₂. Reactions with metals may produce hydrogen gas. Can be dangerously reactive with strong acids or oxidizing agents.

VII SPILL OR LEAK PROCEDURES

SPILL, LEAK, WASTE DISPOSAL PROCEDURES: Evacuate immediate area where concentrated fumes are present. Cleanup personnel must wear proper protective equipment. Completely contain spilled material with dikes, etc., and prevent runoff into ground and surface waters or into sewers. Dilute with water. Spills and leaks should be neutralized by pouring dry soda ash or lime over the affected area to adjust pH to neutral. Allow powdered material to remain on spill for five to ten minutes and flush thoroughly with water. Neutralized material, both liquid and solid, must be recovered for proper disposal.

WASTE DISPOSAL METHODS: Neutralized materials may be discharged to a sanitary sewer with approval of local sewerage authorities. Product as supplied is classified as a hazardous waste under USEPA regulations for the characteristic of corrosivity. Recovered solids or liquids may be sent to a licensed reclaimer or disposed of in a permitted waste management facility. Consult federal, state, and/or local authorities for approved procedure.

VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: For vapor or mist concentrations which exceed or are likely to exceed 10 ppm Threshold Limit Value (TLV), wear a NIOSH/MSHA approved full-face respirator with organic vapor cartridges. NIOSH/MSHA approved self-contained or air supplied breathing apparatus with full-face piece should be worn when in high concentrations. Follow all applicable respirator use, standards or regulations.

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

PROTECTIVE CLOTHING: Wear neoprene or polyethylene rain suit.

PROTECTIVE GLOVES: Butyl rubber, neoprene or polyethylene 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. Eyewash and safety shower should be easily accessible.

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 atomize during application. Beware of wind drift. Pre-rinsing with low-pressure water prior to pressure washing will minimize wind-drift concerns. Protect building occupants during application. See the Product Data sheet and label for specific precautions to be taken during use. Smoking, eating and drinking should be prohibited during the use of this product. Wash hands before breaks and at the end of a shift. Do not alter this product or use for purposes other than specified.

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). Dilution and application equipment should be of HDPE or polypropylene construction. Keep product container and dilution vessels closed when not dispensing.

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.**

Containers of this material may be hazardous when emptied, since emptied containers retain product residues (vapor, liquid, and/or solid). All hazard precautions given in this data sheet must be observed.

OTHER PRECAUTIONS: Do not get in eyes, on skin or on clothing. Can cause severe injury or blindness. Avoid breathing mist or vapor. Provide ventilation sufficient to limit employee exposure below OSHA permissible limit. Do not take internally. Wash thoroughly after handling.

X REGULATORY INFORMATION

SHIPPING: This product carries the proper shipping description **UN2790, Acetic Acid Solution, 8, II** in domestic or international shipments. Some container sizes are restricted in air transport. Consult with PROSOCO's Regulatory Department for assistance.

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

SARA 313 REPORTABLE:

CHEMICAL NAME	CAS	UPPERBOUND CONCENTRATION % BY WEIGHT
NA		

CALIFORNIA PROPOSITION 65: Contains no chemicals listed under California's Proposition 65.

XI OTHER

MSDS Status: **Date of Revision:** March 24, 2014

For Product Manufactured After: September 9, 2010

Changes: Regulatory Review – No changes made; document date brought current for compliance with Canadian regulations.

Item #: 20038

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: March 24, 2014