

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: NON-BUSINESS HOURS (INFOTRAC):	785/865-4200 800/535-5053
PRODUCT TRADE NAME:	Sure Klean[®] Weather Seal Siloxane WB Concentrate		

II HAZARDOUS INGREDIENTS

CHEMICAL NAME	(COMMON NAME)	CAS NO.	NFPA CODE	ACGIH TLV/TWA	OSHA PEL/TWA
Alkyl alkoxysilane	Alkoxysilane	*	Not listed	Not established	Not established
Oligomeric alkylalkoxysiloxane*	Alkyl siloxane	*	Not listed	Not established	Not established
Alkyl Polysilicate*	Silicate*	--	2,2,0,-	10 ppm	10 ppm
Acetic Acid	Acetic acid	64-19-7	3,2,0,-	10 ppm	10 ppm
Methyl Alcohol (hydrolysis by-product)	Methanol	67-56-1	1,3,0,-	200 ppm (skin)	200 ppm (skin)
Ethyl Alcohol (hydrolysis by-product)	Ethanol	64-17-5	1,3,0,-	1000 ppm	1000 ppm

*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)
Alkyl alkoxysilane	Not determined	Not determined	Not determined	Not determined
Oligomeric alkylalkoxysiloxane*	Not determined	Not determined	Not determined	Not determined
Alkyl Polysilicate*	172°F	21 (50°F)	Not determined	Not determined
Acetic Acid	245°F	15.70 (68°F)	2.07	.97
Methyl Alcohol	147°F	92 (68°F)	1.1	5.9
Ethyl Alcohol	173°F	97.68 (68°F)	1.60	3.30
	SPECIFIC GRAVITY		SOLUBILITY IN WATER	APPEARANCE AND ODOR
Siloxane WB Concentrate	0.96		100%	Clear amber liquid with vinegar-like odor

IV FIRE AND EXPLOSION HAZARD DATA

EMERGENCY OVERVIEW

Sure Klean[®] Weather Seal Siloxane WB Concentrate is a clear amber liquid with a vinegar-like odor. As concentrate, it is a flammable liquid. At application dilutions, the final product is classed a combustible. Keep away from heat, sparks, flames, or other sources of ignition. May cause severe eye and skin irritation.

FLASH POINT (METHOD): Concentrate: 69°F (ASTM D 3278)

Dilutions (ASTM D 3278): **1:5** = 131°F **1:9** = 140°F **1:14** = 145°F

FLAMMABLE LIMITS: Not determined.

EXTINGUISHING MEDIA: Dry chemicals, carbon dioxide, or foam type extinguishing media.

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

UNUSUAL FIRE AND EXPLOSION HAZARDS: Vapors are heavier than air and may accumulate in low areas or areas inadequately ventilated. Vapors may also travel along the ground to be ignited at location distant from handling site; flash back of flame to handling site may occur.

Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively.

FLAMMABLE!!! Keep container tightly closed. Isolate from oxidizers, heat, and open flame. Closed containers may explode if exposed to extreme heat. Applying to hot surfaces requires special precautions.

V HEALTH HAZARD DATA

PRIMARY ROUTES OF EXPOSURE: Skin, eyes, inhalation.

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

MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE: No applicable information found.

EFFECTS OF OVEREXPOSURE: Irritation of skin and respiratory tract, and potentially severe irritation of eyes. Inhaling or swallowing large quantities may cause damage to health.

Signs and symptoms of overexposure include headache, blurred vision, constricted visual fields, shortness of breath, dizziness and vertigo. Ingestion of methanol may lead to blindness and death. Ethyl alcohol is an irritant to the eyes and mucous membranes. Overexposure has been shown to cause central nervous system depression. Direct contact with the eyes will cause burning and stinging.

EYE CONTACT: Direct liquid or mist contact may cause severe irritation. Irritant properties are expected to diminish somewhat upon dilution.

SKIN CONTACT: Contact with skin may cause severe irritation. Irritant properties are expected to diminish somewhat upon dilution.

INHALATION: High concentrations or prolonged exposure to lower concentrations may cause severe respiratory tract irritation and may cause central nervous systems effects.

INGESTION: Swallowing large quantities may cause damage to health. Ingestion is not a likely route of exposure in industrial use.

EMERGENCY AND FIRST AID PROCEDURES:

EYE CONTACT: If in eyes, flush with large amounts of water for 15 minutes, holding eyelids apart to ensure flushing of the entire eye surface. Get medical attention. If persistent irritation occurs, get medical attention.

SKIN CONTACT: Remove excess material from the skin with a waterless skin cleaner. Flush skin with plenty of water and wash well with water and soap. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention immediately.

INHALATION: Remove to fresh air. Give artificial respiration if not breathing. Keep person warm, quiet, and get medical attention immediately.

INGESTION: Do not give anything by mouth to an unconscious person. If conscious, induce vomiting by using a finger or other object such as a spoon to tickle the back of the throat. If unconscious and vomiting, turn the person on their side to avoid choking. Keep head below hips to avoid aspiration.

NOTE TO PHYSICIAN: This material releases methyl alcohol and ethyl alcohol upon hydrolysis. Methyl alcohol causes optic neuropathy, metabolic acidosis, and respiratory depression.

VI REACTIVITY DATA

STABILITY: Relatively non-reactive, but will hydrolyze slowly at ambient temperatures to form methanol and ethanol.

CONDITIONS TO AVOID: Heat, sparks, and open flame. Atmospheric moisture (keep containers closed).

INCOMPATIBILITY (MATERIALS TO AVOID): Avoid contact with strong oxidizing agents, acids, alkalis, metals, strong bases, amines.

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS: Silicon dioxide, carbon monoxide, carbon dioxide, and various hydrocarbon fragments.

VII SPILL OR LEAK PROCEDURES

SPILL, LEAK, WASTE DISPOSAL PROCEDURES: Eliminate potential sources of ignition. Wear appropriate respirator and other protective clothing. Shut off source of leak only if safe to do so. Dike and contain to prevent contact with soil, sewers and water. Remove with explosion-proof equipment. Soak up residue with a noncombustible absorbent such as clay or vermiculite; place in drums for proper disposal.

WASTE DISPOSAL METHODS: This product is classified under USEPA regulations as a hazardous waste for the characteristic of ignitability. Dispose of in a facility approved under RCRA regulations for hazardous waste. Containers must be leak proof and properly labeled. Empty containers must be treated as hazardous due to residual liquids and fumes. Drain completely and dispose in a sanitary landfill (check local restrictions).

VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: In absence of proper engineering controls, if the OSHA TLV is exceeded for any listed substance in this product wear a NIOSH approved supplied air respirator. Regulations also permit the use of a full-face respirator with organic vapor cartridges for acetic acid exposure. If feasible, engineering or administrative controls should be implemented to reduce exposure. Prevent overexposure in accordance with 29CFR 1910.134.

Concentrate should be handled in open, well-ventilated areas. During application, avoid atomization of product. If nuisance mists are present, use a NIOSH approved dust/mist respirator to avoid contact with respiratory system.

VENTILATION: Provide sufficient general and/or local exhaust ventilation to maintain exposure as low as possible. Use explosion-proof ventilation as required to control vapor concentrations as low as possible. Vapors are heavier than air, exhaust at floor level.

PROTECTIVE CLOTHING: Wear protective clothing as required to prevent skin contact.

PROTECTIVE GLOVES: Wear chemical-resistant gloves, such as nitrile rubber.

EYE PROTECTION: Chemical splash goggles in compliance with OSHA regulations are advised when handling concentrates and dilute product. Depending on size of the project and application methods, use of safety glasses with side shields may be sufficient for use with dilute product. Use is at the discretion of the employer and should be compliant with OSHA General Duty rules. Do not wear contact lenses because they may contribute to the severity of an eye injury.

OTHER PROTECTIVE EQUIPMENT: Chemical-resistant boots and headgear as needed. An eyewash should be available near the work area. Provide clean water for body rinsing.

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. See the Product Data sheet and label for specific precautions to be taken during use. **This product concentrate is flammable!** Always bond and ground containers during transfer. Use caution when applying dilute product to hot surfaces or in heated environments. 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.

This product will continue to evolve ethyl alcohol and methyl alcohol during curing. Continue ventilation as needed during curing.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Store away from oxidizing materials in a cool, dry place with adequate ventilation. Keep away from heat and open flames. Keep containers tightly closed when not dispensing product. Wash up with soap and water before eating, drinking, smoking or using toilet facilities.

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 the Data sheet must be observed. Vent containers frequently, and more often in warm temperatures, to relieve pressure. Do not use pressure to empty the containers. Ground equipment to prevent accumulation of static charge. Containers must be bonded and grounded when pouring or transferring this material. Use only non-sparking tools. Do not cut, grind, weld, or drill on or near this container.

Do not store near strong acids or oxidizing agents. Exercise due caution to prevent damage to or leakage from the container.

X REGULATORY INFORMATION

SHIPPING: This product carries the proper shipping description **UN1866, Resin Solution, 3, II** for domestic and international transport when shipped in original packaging in good condition. For domestic ground transport, quart and pint sized containers are reclassified as an ORM-D, Consumer Commodity.

NATIONAL MOTOR FREIGHT CLASSIFICATION: NMFC #: 33880 Sub 2 Class Rate: 55

SARA 313 REPORTABLE:

CHEMICAL NAME	CAS	UPPERBOUND CONCENTRATION % BY WEIGHT
Methanol	67-56-1	10%

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

XI OTHER

MSDS Status: **Date of Revision:** May 6, 2013
For Product Manufactured After: N/A – No product reformulation
Changes: Updated list of incompatible materials, Section VI.
Item #: 40025
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: May 6, 2013