

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:	Stand Off® SLX100® Water & Oil Repellent <350 g/L		

II HAZARDOUS INGREDIENTS

CHEMICAL NAME	(COMMON NAME)	CAS NO.	NFPA CODE	ACGIH TLV/TWA	OSHA PEL/TWA
Organosilane	(-)*	Unknown	1,3,0,-	NE	NE
Organosilane	(-)*	Unknown	1,2,1,-	NE	NE
Methyl alcohol (<1%)	(Methanol)	67-56-1	1,3,0,-	200 ppm (skin)	200 ppm (skin)
Aliphatic naphtha	Mineral Spirits	64742-88-7	1,2,0,-	100 ppm	100 ppm

* Specific chemical identity withheld as trade secret pursuant to OSHA regulations.

III TYPICAL PHYSICAL DATA

	BOILING POINT (°F)	VAPOR PRESSURE (mm Hg)	VAPOR DENSITY (Air = 1)	EVAPORATION RATE (Butyl Acetate = 1)
Organosilane	150°F	100 (77°F)	> 1.0	< 1.0
Organosilane	194°F	7.5 (68°F)	Not available	Not available
Methyl alcohol	147°F	92 (68°F)	1.1	5.9
Aliphatic naphtha	212-392°F	10 (68°F)	5.3	0.07
	SPECIFIC GRAVITY		SOLUBILITY IN WATER	APPEARANCE AND ODOR
SLX100® Water & Oil Repellent <350 g/L	0.909		Insoluble	Clear liquid, slight solvent odor

IV FIRE AND EXPLOSION HAZARD DATA

EMERGENCY OVERVIEW

SLX100® Water & Oil Repellent <350 g/L is a clear liquid product with a slight solvent odor. Product in liquid or vapor state is combustible. Eliminate all potential sources of ignition. Product may cause blindness or death if inhaled or ingested in high concentrations. This product contains a material that can cause serious lung damage or impairment if inhaled as an aerosol or fine mist. Water is unsuitable extinguishing media. Methyl alcohol is generated during the curing cycle and with contact to moisture or humid air. Treat for methanol poisoning if ingested. **Do not aerosolize or atomize product.**

FLASH POINT (METHOD): 107°F (ASTM D 3278)

FLAMMABLE LIMITS: Not determined.

EXTINGUISHING MEDIA: Use foam, dry chemical or CO₂. Do not use a direct water stream. Water is unsuitable extinguishing media. Avoid accumulation of water as product will float.

SPECIAL FIRE FIGHTING PROCEDURES: Do not enter confined fire space without proper protective equipment including a NIOSH/MSHA approved self-contained breathing apparatus. Cool heat-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; flashback of flame to handling site may occur. Static electricity may accumulate and ignite vapors. Always bond and ground during transfer.

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

COMBUSTIBLE!!! 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, ingestion.

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

MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE: Pre-existing skin disorders, such as dermatitis.

EFFECTS OF OVEREXPOSURE. Inhalation of high concentrations may cause blindness or death. Swallowing large amounts may cause blindness or death.

EYE CONTACT: Direct contact may irritate seriously with moderate to severe redness and swelling.

SKIN CONTACT: May cause moderate irritation and temporary swelling. Prolonged or repeated skin contact may cause dermatitis or aggravate an existing dermatitis. Absorption through skin can contribute to symptoms of inhalation overexposure.

INHALATION: Vapor exposure may cause irritation to the nose and throat. Inhaling high concentrations for prolonged times may cause blindness or even death. Vapors may cause drowsiness, dizziness, or suffocation. **Inhalation of mists or vapors may cause serious lung damage or impairment. May be absorbed following inhalation and cause target organ effects.**

INGESTION: May cause irritation of the digestive tract. May cause GI irritation with nausea, vomiting, and diarrhea. Swallowing substantial amounts may cause central nervous system depression, blindness or death. On contact with water, this product will evolve methyl alcohol

EMERGENCY AND FIRST AID PROCEDURES:

EYE CONTACT: If in eyes, flush with large amounts of water, holding eyelids apart to ensure flushing of the entire eye surface. 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 **affected person** to fresh air. Give artificial respiration if not breathing. Keep person warm, quiet, and get immediate medical attention.

INGESTION: If conscious, immediately give two glasses of water and call a physician, hospital emergency room, or poison control center for instructions. If vomiting occurs, keep the head below hip level to prevent aspiration. Get immediate medical attention. Treat the same as methyl alcohol poisoning.

VI REACTIVITY DATA

STABILITY: Stable.

CONDITIONS TO AVOID: Heat, sparks, and open flame; water and moist conditions.

INCOMPATIBILITY (MATERIALS TO AVOID): Oxidizing materials, alkalis, water, moist air, aluminum, amines, alkanolamines, aldehydes, ammonia, halogens, halogen compounds, ketones, nitric acid, sulfuric acid.

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS: Silicon dioxide, carbon oxides, formaldehyde, HF, COF₂, perfluorocarbons, and other unidentified organic compounds.

VII SPILL OR LEAK PROCEDURES

SPILL, LEAK, WASTE DISPOSAL PROCEDURES: STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

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 as a hazardous waste under RCRA regulations 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 completely drained before disposal in a sanitary landfill or reclamation service. Check local restrictions.

VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: **Avoid breathing vapors, mists or spray.** If Threshold Limit Value (TLV) any product component is exceeded, NIOSH recommends use of an air-supplied respirator is advised in absence of proper environmental control. Engineering or administrative controls should be implemented to reduce exposure. Prevent overexposure in accordance with 29CFR 1910.134.

VENTILATION: Provide sufficient general and/or local exhaust ventilation to maintain exposure below TLV(s). Use explosion-proof ventilation as required to control vapor concentrations below the TLV. Vapors are heavier than air, exhaust at floor level. Product will continue to evolve vapors during drying and additional methyl alcohol during curing. Continue ventilation as needed. **If ventilation is not adequate, use respiratory protection equipment.**

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

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

EYE PROTECTION: Chemical splash goggles in compliance with OSHA regulations are advised. Do not wear contact lenses because they may contribute to the severity of an eye injury.

OTHER PROTECTIVE EQUIPMENT: Solvent-resistant boots and headgear as necessary. Eyewash should be accessible to 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. This product contains a material that can cause serious lung damage or impairment if inhaled as an aerosol or fine mist. **Do not atomize or create aerosols during application.** Beware of wind drift. See the Product Data sheet and label for specific precautions to be taken during use. This product is combustible! Always bond and ground containers during transfer. 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 vapor during drying 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. Launder contaminated clothing before reuse.

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 in aluminum containers.

OTHER PRECAUTIONS: **Avoid atomizing, generating mists or vapors during application.**

X REGULATORY INFORMATION

SHIPPING: For domestic ground shipping, US DOT exempts combustible liquids if under 119 gallons per container. The shipping description is "NON-HAZARDOUS/NON-REGULATED (UNDER 119 GALLONS PER CONTAINER)." Product carries the proper shipping description "**UN1866, Resin Solution, 3, III**" for international transport. Certain container and packaging combinations are restricted in shipment by air and by parcel carriers.

NATIONAL MOTOR FREIGHT CLASSIFICATION: NMFC#33880 Sub 2

Class Rate: 55

SARA 313 REPORTABLE:

CHEMICAL NAME

Not Applicable

CAS**UPPERBOUND CONCENTRATION % BY WEIGHT****CALIFORNIA PROPOSITION 65:**

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

XI OTHER

MSDS Status:**Date of Revision:** May 23, 2013**For Product Manufactured After:** January 1, 2011**Changes:** Amended precautionary information regarding inhalation and respiration in Sections IV, V, VIII and IX.**Item #:** 55035**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 23, 2013