

MATERIAL SAFETY DATA SHEET

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FOR COATINGS, RESINS, AND RELATED MATERIALS

Complies with the OSHA Hazard Communication Standard

Sunlife, Inc. 2424 South 15th Place, Phoenix, AZ. 85034

General Information: (602) 258-0956 Emergency Information: (602) 258-0956

Date of Preparation: 11/15/2004

HMIS CODE: H F R P
1 1 0 H

PRODUCT IDENTIFICATION

TRADE NAME: Waterguard

SUNLIFE CODE: 1772

PRODUCT CLASS: Silicate

HAZARDOUS INGREDIENTS

	AMOUN VOL %	CAS NO.	PEL TLV LEL ppm ppm %	VP mmHg
Sodium Methyl Silicate	11.97	016589438	NE 50 1	0.05

PHYSICAL DATA

BOILING RANGE	100 deg C, 212 deg F (Water)
MELTING POINT	0 deg C, 32 deg F (Water)
PERCENT VOLATILE BY VOLUME	88.03
WEIGHT PER GALLON	9.58 lbs.
VAPOR DENSITY	HEAVIER THAN AIR
EVAPORATION RATE	SLOWER THAN ETHER
STATE	LIQUID

FIRE & EXPLOSION HAZARD DATA

FLASH POINT	212 F/100 C
AUTO-IGNITION TEMPERATURE	Not Determined
LOWER EXPLOSIVE LIMIT	Not Applicable
UPPER EXPLOSIVE LIMIT	Not Applicable
UNUSUAL HAZARDS	Material can splatter above 100C, 212F. Closed Containers may explode when exposed to extreme heat. Water may be helpful in cooling unruptured containers.
EXTINGUISHING AGENTS	Use extinguishing media appropriate for surrounding fire.
PERSONAL PROTECTIVE EQUIPMENT	Wear self-contained breathing apparatus (pressure-demand MSHA/NIOSH approved or equivalent) and full protective gear.

HEALTH EFFECTS FROM OVEREXPOSURE

PRIMARY ROUTES OF EXPOSURE	Inhalation, Eye Contact, Skin Contact, Ingestion.
INHALATION	Mist may seriously irritate nose throat & lungs depending on concentration and duration of exposure
EYE CONTACT	Direct contact burns eyes with possible permanent injury, blindness
SKIN CONTACT	Burns severely upon short periods of contact
FIRST AID PROCEDURES	Remove to fresh air, and give artificial respiration if breathing has stopped. Flush exposed eyes with fresh water for at least 15 minutes. Wash exposed skin with soap and water, and change contaminated clothing. If ingested do not induce vomiting. Get immediate medical attention.
EFFECTS OF CHRONIC OVER-EXPOSURE	None recognized. None of the ingredients of this product appear on the OSHA, NTP, or IARC carcinogen list.

REACTIVITY DATA

STABILITY	Stable
HAZARDOUS DECOMPOSITION PRODUCTS	Thermal decomposition may yield carbon oxides, and traces of incompletely burned carbon compounds, silicon dioxide, metal oxides, formaldehyde.
HAZARDOUS POLYMERIZATION	Will not occur
INCOMPATIBILITY	Oxidizing material can cause a reaction.

SPILL OR LEAK PROCEDURES

PERSONAL PROTECTION	Appropriate protective equipment must be worn when handling a spill of this material. If exposed to material during clean up operations, see the FIRST AID PROCEDURES Section for appropriate actions to take. Keep spectators away. Floor may be slippery; use care to avoid falling. Contain spills immediately with inert materials (e.g. sand, earth). Transfer liquids and solid diking material to separate, suitable containers for recovery or disposal. CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.
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PERSONAL PROTECTION MEASURES

RESPIRATORY PROTECTION	None required if airborne concentrations are maintained below the TLV/PEL's listed in the HAZARDOUS INGREDIENTS
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Section. If TLV/PEL is exceeded, use a NIOSH approved respirator or SCBA. Air purifying respirators should be equipped with organic vapor cartridges.

EYE PROTECTION

Use chemical splash goggles (ANSI Z87.1) or equivalent.

HAND PROTECTION

Neoprene Gloves

STORAGE & HANDLING INFORMATION

STORAGE CONDITIONS

Keep from freezing. Material may coagulate. The minimum recommended storage temperature for this material is 1C/34F. The maximum recommended storage temperature for this material is 49C/120F. Keep containers closed and upright when not in use.

OTHER PRECAUTIONS

Do not get in eyes. Do not get on skin. Do not breath mist. Keep container closed. Do not take internally.