



Safety Data Sheet (SDS)

Sterling Labs, Inc.
33106 W. Eight Mile Rd., Farmington Hills, MI 48336
800-789-9065

SECTION 1: PRODUCT AND COMPANY INFORMATION

SUPPLIER / DISTRIBUTOR

Hi-Tech Industries
33106 W. Eight Mile Rd.
Farmington Hills, MI 48336

Telephone: 800-514-9918

Emergency Telephone: 800-535-5053

PRODUCT IDENTIFIER

SiO₂ Spray Sealant

OTHER COMMON NAMES OR SYNONYMS

Section 2: Hazard(s) Identification

GHS CLASSIFICATION

HEALTH HAZARDS

Not a hazardous substance or mixture according to US Regulation 29 CFR 1910.1200 (HazCom2012). Based on available data, the classification criteria are not met.

GHS LABEL ELEMENTS

Not a hazardous substance or mixture according to US Regulation 29 CFR 1910.1200 (HazCom2012). Based on available data, the classification criteria are not met.

HAZARD STATEMENT(S)

May cause harm to breast-fed children.

PRECAUTIONARY STATEMENTS

PREVENTION

Obtain special instructions before use. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact during pregnancy/while nursing. Wash thoroughly after handling. Do not eat, drink or smoke when using this product.

RESPONSE

If exposed or concerned: Get medical advice/attention.

OTHER HAZARDS

None identified.

Section 3: Composition/Information on Ingredients

The identity of individual components of this mixture is proprietary information and is regarded to be a trade secret and is withheld in accordance with paragraph (i) of §1910.1200.

Mixture: Silicone emulsion. All components are listed on ENCS under CSCL.

Components	CAS. Number	ENCS no.	ISHL no.	Concentration (%)
Sodium sulfonate compound	Proprietary	Proprietary	Proprietary	1 – 5
Sorbitan fatty acid ester	Proprietary	Proprietary	Proprietary	1 – 5

Section 4: First-Aid Measures

EYE CONTACT: Rinse immediately with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention..

INHALATION: Move to fresh air. Call a physician if symptoms develop or persist.

SKIN CONTACT: Wash skin with soap and water. Get medical attention if irritation develops and persists.

INGESTION: Rinse mouth. Get medical attention immediately.

Most important symptoms/effects, acute and delayed:

POTENTIAL ACUTE HEALTH EFFECTS

No information available.

OVER-EXPOSURE SIGNS/SYMPTOMS

No information available.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

No information available.

Section 5: Fire-Fighting Measures

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL: By heating and fire, harmful vapors/gases may be formed. Sulfur oxides. (corrosive)

SUITABLE EXTINGUISHING MEDIA: Water fog. Foam. Dry chemical powder. Carbon dioxide (CO₂).

UNSUITABLE EXTINGUISHING MEDIA: No data available.

HAZARDOUS THERMAL DECOMPOSITION PRODUCTS: No data available.

SPECIAL FIRE FIGHTING PROCEDURES: Move containers from fire area if you can do so without risk.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS: Firefighters must use standard protective equipment including flame retardant coat, helmet, gloves, rubber boots, and self-contained breathing apparatus.

Section 6: Accidental Release Measures

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Eliminate sources of ignition.

METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills in original containers for re-use.

ENVIRONMENTAL PRECAUTIONS:

Keep unnecessary personnel away. Local authorities should be advised if significant spillages cannot be contained. Wear appropriate personal protective equipment. Do not breathe mist or vapor. Ensure adequate ventilation.

Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

Section 7: Handling and Storage

PRECAUTIONS FOR SAFE HANDLING

Provide adequate ventilation. Use care in handling/storage. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wash hands thoroughly after handling. Pregnant or breastfeeding women must not handle this product. Do not breathe mist or vapor. Wear appropriate personal protective equipment. Avoid prolonged exposure.

When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product. Handle in accordance with good industrial hygiene and safety practice.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Store locked up. Keep container tightly closed. Keep out of the reach of children. Store in a cool, dry place out of direct sunlight. Do not keep the container below 0 degrees C to avoid coagulation.

Keep in original container. This product contains water. Therefore, please note that there is a possibility that the container corrodes when you keep a long term in a metallic container.

Section 8: Exposure Controls/Personal Protection

CONTROL PARAMETERS

Contains no substances with occupational exposure limit values.

INDIVIDUAL PROTECTION MEASURES

Provide adequate general and local exhaust ventilation. Provide eyewash station.

EYE/FACE PROTECTION

Wear safety glasses with side shields (or goggles).

SKIN / BODY PROTECTION

Wear suitable protective clothing.

HAND PROTECTION Wear suitable gloves. Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).

RESPIRATORY PROTECTION

In case of insufficient ventilation, wear suitable respiratory equipment.

HYGIENE MEASURES

Handle in accordance with good industrial hygiene and safety practice.

Section 9: Physical and Chemical Properties

PHYSICAL STATE	ODOR THRESHOLD	FLASH POINT
Liquid	No data available.	No data available.
FORM	PH	EVAPORATION RATE
Liquid	No data available.	< 1 (Butyl Acetate=1)
COLOR	FREEZING POINT	FLAMMABILITY (SOLID, GAS)
White	32 °F (0 °C) [Water]	No data available.
ODOR	BOILING POINT	FLAMMABILITY LIMIT - UPPER (%)
Slight Odor	212 °F (100 °C) [Water]	No data available.

FLAMMABILITY LIMIT - LOWER (%)

No data available.

VAPOR DENSITY

No data available.

PARTITION COEFFICIENT (N-

OCTANOL/WATER)

No data available.

EXPLOSIVE LIMIT - UPPER (%)

No data available.

RELATIVE DENSITY

No data available.

AUTO-IGNITION TEMPERATURE

No data available.

EXPLOSIVE LIMIT - LOWER (%)

No data available.

SOLUBILITY IN WATER

Dispersion

DECOMPOSITION TEMPERATURE

No data available.

VAPOR PRESSURE

3.1 kPa (25 °C) [Water]

SOLUBILITY (OTHER)

No data available.

VISCOSITY

1400 mPa-s (25 °C)

Section 10: Stability and Reactivity**REACTIVITY**

Not expected to be Explosive, Self-Reactive, Self-Heating, or an Organic Peroxide under US GHS Definition(s).

CHEMICAL STABILITY

Material is stable under normal conditions.

POSSIBILITY OF HAZARDOUS REACTIONS

Under normal conditions of storage and use, hazardous reactions will not occur.

CONDITIONS TO AVOID

No data available.

INCOMPATIBLE MATERIALS

Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS

Carbon oxides and traces of incompletely burned carbon compounds. Silicon dioxide. Sulfuroxides. Formaldehyde .

Section 11: Toxicological Information**ACUTE TOXICITY**

Acute oral toxicity (LD50): > 5,000 mg/kg Species: Mouse

Acute dermal toxicity: No data available.

SKIN CORROSION/IRRITATION

Causes skin irritation. [Sodium sulfonate compound] [Sorbitan fatty acid ester]

SERIOUS EYE DAMAGE/EYE IRRITATION

Causes serious eye irritation. [Sodium sulfonate compound]

RESPIRATORY OR SKIN SENSITISATION

Sensitisation: No data available

REPRODUCTIVE TOXICITY

Suspected of damaging fertility or the unborn child. May cause harm to breastfed babies. [Sodium sulfonate compound]

FURTHER INFORMATION

Remarks: Information given is based on data on the components and the toxicology of similar products. No data is available on the product itself.

Section 12: Ecological Information (non-mandatory)

Aquatic

Fish LC50 Rainbow trout, don aldson trout (*Oncorhynchus mykiss*) 20 - 40 mg/l, 96 hours

Ecotoxicity

Harmful to aquatic life. [Sodium sulfonate compound] [Sorbitan fatty acid ester]

Harmful to aquatic life with long lasting effects. [Sodium sulfonate compound]

Section 13: Disposal Considerations (non-mandatory)

Incinerate. Incinerator should be appropriately equipped for silica and other fine powder which the product will generate in incineration. Workers should wear appropriate personal protective equipment(s) such as respirator. Contract with a disposal operator licensed by the Law on Disposal and Cleaning. Dispose container in accordance with local/regional/national/international regulations.

Section 14: Transport Information (non-mandatory)

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

This product is not intended to be transported in bulk.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

National Regulations

Follow regulation in section 15 for domestic transportation.

Section 15: Regulatory Information (non-mandatory)

Industrial Safety and Health Act

Specified substances regulation

Class 1 designated chemical substances - Not applicable

Class 2 designated chemical substances - Not applicable

Class 3 designated chemical substances - Not applicable

Organic solvent regulation

Class 1 organic solvents - Not applicable

Class 2 organic solvents - Not applicable

Class 3 organic solvents - Not applicable

Notifiable substances - Not applicable

Labeling substances - Not applicable

Poisonous and Deleterious Substances Control Act

Specified poisonous substances - Not regulated.

Poisonous substances - Not regulated.

Deleterious substances - Not regulated.

Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc.

Class I specified chemical substances - Not regulated.

Class II specified chemical substances - Not regulated.

Monitoring chemical substances - Not regulated.

Priority Assessment Chemical Substances (PACs) - Not regulated.

Law concerning Pollutant Release and Transfer Register

Specified class 1 substances (substance name, ordinance number and content) Not applicable

Class 1 substances (substance name, ordinance number and content) Not applicable

Class 2 substances (substance name, ordinance number and content) Not applicable

Fire Service Act Not dangerous goods under Fire Service Law

Ship Safety Law, Dangerous Not regulated.

Goods Marine Transport and Storage Rule Air Law, Enforcement Rule Not regulated.

Explosives Control Act Not applicable.

High Pressure Gas Safety Act Not applicable.

Act on Prevention of Marine Pollution and Maritime Disaster Not applicable.

Section 16: Other Information

PREPARATION / REVISION DATE

05/26/2015

OTHER INFORMATION

This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

DISCLAIMER

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