



SIS 440 Marine Deck Sealant
Safety Data Sheet

1. Identification

Product Name: SIS 440 Marine Deck Sealant
Synonyms: TDS Deck Caulk
CAS Number: Mixture
Product Use: Marine Deck Seam Caulk
Manufacturer/Supplier: Teakdecking Systems, Inc.
Address: 7061 15th Street East
 Sarasota, Florida 34243 USA
Business Phone: +1 941 756-0600
Emergency Phone: +1 941 756-0600

2. Hazards Identification

GHS Classification:

Health	Environmental	Physical
Skin Irritation – Category 2 Eye Irritation – Category 2 Skin Sensitization – Category 1		

GHS Label:



Warning

GHS Hazard Statements:

H315 Causes skin irritation.
 H320 Causes eye irritation.
 H317 May cause an allergic skin reaction.

GHS Precautionary Statements:

P264: Wash thoroughly after handling.
 P280: Wear protective gloves and eye protection.
 P302/P352: IF ON SKIN: Wash with plenty of soap and water.
 P333/P313: IF skin irritation or rash occurs: Get medical advice.
 P305/P351/P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
 P337/P313: IF eye irritation persists: Get medical advice.
 P362/P364: Take off contaminated clothing and wash it before reuse.

3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Polydimethylsiloxane	70131-67-8	50-60%
Methyl tris(2-butanoneoxime) Silane	22984-54-9	3-5%

The remaining ingredients are omitted under the Confidential Business Information (CBI) rules.
 (See Section 8 for Exposure Limits)

4. First Aid Measures

Eye: Eye irritation. Flush immediately with large amounts of water for at least 20 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Seek medical attention.
Skin: If the material contaminates the skin, immediately begin decontamination with running water. Minimum flushing is for 20 minutes. Remove exposed or contaminated clothing, taking care not to contaminate eyes. Victim must seek immediate medical attention.
Inhalation: Not a likely route of exposure due to viscosity. If fumes or dusts of this product are produced during use and are inhaled, remove victim to fresh air. If necessary use artificial respiration to support vital functions.
Ingestion: Consult a physician immediately. Do not induce vomiting unless directed by medical personnel. Have victim rinse mouth with water and give several cups of water, if conscious. Never induce vomiting or give diluents (milk or water) to someone who is unconscious, having convulsions, or unable to swallow.

5. Fire Fighting Measures

Suitable Extinguishing Media: Use extinguishing material suitable to the surrounding fire, including foam, halon, carbon dioxide and dry chemical.
Unusual Fire and Explosion Hazards: N/A
Combustion Products: Irritating or toxic substances may be emitted upon thermal decomposition.

Fire Fighting Procedures: Incipient fire responders should wear eye protection. Structural firefighters must wear Self-Contained Breathing Apparatus and full protective equipment. Move containers from fire area if it can be done without risk to personnel. If possible, prevent runoff water from entering storm drains, bodies of water, or other environmentally sensitive areas.

6: Accidental Release Measures

Small spills: For releases of 1 drum or less, Level D Protective Equipment (gloves, chemical resistant apron, boots, and eye protection) should be worn. Spread should be limited by gently covering the spill with polypads. Scrape up or pick-up spilled material, placing in suitable containers. Absorb any residual on appropriate material, such as sand. All contaminated absorbents and other materials should be placed in an appropriate container and sealed. Do not mix with wastes from other materials. Remove all residues before decontamination of spill area. Clean spill area with soap and copious amounts of water.

Environmental Precautions: Minimize use of water to prevent environmental contamination. Prevent spill or rinsate from contaminating storm drains, sewers, soil or groundwater. Place all spill residues in a suitable container and seal. Do not discharge effluent containing this product into streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

7. Handling and Storage

Handling: Wash thoroughly after handling this product. Do not eat or drink while handling this material. Avoid contact with eyes, skin, and clothing. Avoid breathing fumes, dusts, vapors or mist. Do not taste or swallow. Use only with adequate ventilation. Keep away from heat and flame.

Storage: This product is stable under ordinary conditions of handling, use and storage. Store containers in a cool, dry location, away from direct sunlight, sources of intense heat, or where freezing is possible. Keep container tightly closed when not in use. To prolong shelf life, store at temperatures below 26°C (80°F).

8. Exposure Controls / Personal Protection

Exposure Limits: Not Established

Engineering Controls: Use with adequate ventilation.

Personal Protective Equipment (PPE)

Eye Protection: Use safety glasses.

Skin Protection: Avoid skin contact. Wear gloves impervious to conditions of use (e.g. nitrile or neoprene). Use triple gloves for spill response. Use body protection appropriate to task (e.g. coveralls, lab coat).

Respiratory Protection: If mists or sprays from this product are created during use, use appropriate respiratory protection. If necessary, use only respiratory protection authorized in appropriate regulations. Oxygen levels below 19.5% are considered IDLH by OSHA. In such atmospheres, use of a full-facepiece pressure/demand SCBA or a full facepiece, supplied air respirator with auxiliary self-contained air supply is required under appropriate regulations and standards

9. Physical and Chemical Properties

Appearance:	Black, white, or gray paste
Odor:	Solvent odor
pH:	No Data
Melting Point:	No Data
Boiling Point:	No Data
Flashpoint:	>300°F
Autoignition Temperature:	No Data
Lower Flammability Limit:	No Data
Upper Flammability Limit:	No Data
Vapor Pressure:	N/A
Vapor Density (Air=1):	Heavier than air
Specific Gravity:	1.1-1.4
% Solubility in Water:	Insoluble
Pour Point:	N/A
Molecular Formula:	Mixture
Molecular Weight:	Mixture
Viscosity:	No Data

10. Stability and Reactivity

Chemical Stability: Stable under normal circumstances of use and handling.

Conditions to Avoid: Avoid contact with incompatible chemicals, water, and exposure to extreme temperatures.

Incompatibility (Materials to Avoid): Strong acids and oxidizers. Some compatibility with aluminum, ammonium salts and mercury/hydrogen mixtures.

Hazardous Decomposition Products (from burning, heating, or reaction with other materials): Thermal decomposition of this product can generate dusts, irritating fumes, and toxic gases (e.g., carbon, nitrogen and silicone oxides, formaldehyde, various hydrocarbons).

Hazardous Polymerization: Will not occur.

Conditions to Avoid (if polymerization may occur): None

11. Toxicological Information

Routes of Exposure:

Eye Contact

Skin Contact

Signs and Symptoms of Exposure (Acute Effects): Contact may mildly irritate the skin and cause redness and discomfort. Prolonged or repeated skin contact may cause dermatitis (dry, red skin). Eye contact may cause redness, pain, and tearing. Skin contact may cause sensitization and allergic reaction in susceptible individuals, which suggests some level of absorption. Symptoms may include redness, itching and rash. If the product is swallowed, irritation of the mouth, throat, and other tissues of the gastro-intestinal system and may cause nausea, vomiting, and diarrhea, may occur. Exposure to vapors of this product generated during curing, or dusts of this product generated during use after curing may mildly irritate the respiratory tract and cause coughing and sneezing. Vapors or fumes when used in an enclosed space, if heated or during curing may cause irritation of the respiratory system. Symptoms include nose irritation, dry or sore or burning throat, runny nose, shortness of breath, dizziness, and incoordination. Accidental injection of this product (e.g. puncture with a contaminated object) may cause burning, redness, and swelling in addition to the wound.

Signs and Symptoms of Exposure (Possible Long Term Effects): None

Medical Conditions Generally Aggravated By Exposure:

Pre-existing eye or skin conditions

Carcinogens Under OSHA, ACGIH, NTP, IARC, Other: This product contains no carcinogens in concentrations of 0.1 percent or greater.

Target Organ Effects:

Skin

Eyes

Central nervous system

Chronic Effects: Prolonged or repeated skin contact may cause dermatitis (dry, red skin), sensitization to the skin or adverse liver or kidney effects.

Acute Toxicity Values

Oral LD₅₀ (Rat) = No Data

Dermal LD₅₀ (Rabbit) = No Data

Inhalation LC₅₀ (Rat) = No Data

12. Ecological Information

Ecotoxicity: No Data

Environmental Fate: No Data

Additional Information: Waste from this product may present long term environmental hazards, thus landfill disposal must be considered less acceptable than incineration.

13. Disposal Considerations

Comply with all federal, state, and local regulations.

14. Transport Information

DOT Non-Bulk Shipping Name: Caulking Compound - Not Regulated

IMO Shipping Data: Caulking Compound - Not Regulated

ICAO/IATA Shipping Data: Caulking Compound - Not Regulated

15. Regulatory Information

U.S. Federal Regulations

Toxic Substances Control Act (TSCA): All components of this product are included on the TSCA inventory.

OSHA Hazard Communication Standard (29CFR1910.1200) Hazard Class(es): None

SARA Section 311/312 (40 CFR 370) Hazard Categories: None

State Regulations

California Safe Drinking Water and Toxic Enforcement Act (Proposition 65): The Carbon Black (airborne, unbound particles of respirable size) components are found on the Proposition 65 List of chemicals known to the state to cause cancer. Due to the form of the product, the Proposition 65 warning is not applicable to these compounds in this product.

International Regulations

Canadian DSL/NDSL Inventory Status: The components of this product are listed on the DSL Inventory.

Canadian Environmental Protection Act (CEPA) Priorities Substances Lists: No component of this product is on the CEPA Priorities Substances Lists.

Canadian WHMIS Regulations: This product is classified as a Controlled Product, Hazard Class D2B (Immediate Acute Toxicity/Irritation, Carcinogenicity & Sensitization) as per the Controlled Product Regulations.

European Inventory of Existing Chemicals (EINECS): All of the components of this product are included on EINECS.

16. Other Information

Global Harmonization Labeling and Classification: Classified in accordance with CLP Regulation (EC) 1272/2008. This is a self-classification.

Classification:	Skin Irritation Category 2 Eye Irritation Category 2A Skin Sensitization Category 1
Signal Word:	WARNING
Hazard Statements:	H315: Causes skin irritation. H320: Causes eye irritation. H317: May cause an allergic skin reaction.
Precautionary Statements:	P264: Wash thoroughly after handling. P280: Wear protective gloves/protective clothing/eye protection/face protection. P302 + P352: IF ON SKIN: Wash with plenty of soap and water. P333 + P313: IF skin irritation or rash occurs: Get medical advice/attention. P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. P337 + P313: If eye irritation persists: Get medical advice/attention. P362 + P364: Take off contaminated clothing and wash it before reuse.
Hazard Symbols/Pictogram:	GHS07
EU 67/548/EEC Labeling and Classification:	Under European Union Council Directive 67/548/EEC and subsequent Directives.
Classification:	Harmful Irritant
Risk Phrases:	R36/38: Irritating to eyes and skin. R43: May cause sensitization by skin contact.
Safety Phrases:	S36/37/39: Wear suitable protective clothing, gloves and eye/face protection. S45: In case of accident or if you feel unwell seek medical advice immediately (show the label where possible). S46: If swallowed, seek medical advice immediately and show this container or label. S53: Avoid exposure - obtain special instructions before use.
Hazard Symbol:	Xn/Xi

National Fire Protection Association (NFPA) Ratings: This information is intended solely for the use of individuals trained in the NFPA system.

Health:	2
Flammability:	1
Reactivity:	0

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