

SB-1304 NON-FLAMMABLE METAL SEALANT

Page Number: 1/6
Revision Date: 12/01/07

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Product Name: SB-1304 NON-FLAMMABLE METAL SEALANT

Company Name: SUREBOND
2801 International Lane
Madison, WI 53704
Phone: (608) 237-7554

Emergency Phone (24 hour): CHEMTREC
(800) 424-9300

Chemtrec (outside USA): (703) 527-3887

SECTION 2 - HAZARDS IDENTIFICATION

Effects of Exposure:

Eyes: Direct contact may cause mild irritation. Eye contact may cause conjunctivitis, corneal damage, or severe chemical burns.

Skin: May cause moderate irritation and possible dermal sensitization. May be absorbed through the skin.

Inhalation: Irritates respiratory passages very slightly. Vapor overexposure may cause drowsiness.

Oral: Small amounts transferred to the mouth by fingers during use, etc. should not injure. Swallowing may injure.

NFPA Hazard Codes: Health: 1 Fire: 1 Reactivity: 0

Notes: When heated to temperatures above 150° C (300° F) in the presence of air, product can form formaldehyde vapors. Formaldehyde is a potential cancer hazard and a known skin and respiratory sensitizer. Vapors irritate eyes, nose and throat. Safe handling conditions may be maintained by keeping vapor concentrations within the OSHA permissible exposure limit for formaldehyde.

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredient Name	CAS Number	Percent
Methyl Ethyl Ketoxime	96-29-7	1 - 5
Oximino Silane	Trade secret	2 - 7

SECTION 4 - FIRST AID MEASURES

Eyes: Immediately flush with water for 15 minutes. Get medical attention.

Skin: Remove from skin and immediately rinse with water for 15 minutes. Get medical attention if irritation develops or ill effects persist.

Inhalation: Remove to fresh air. If ill effects persist, get medical attention.

Ingestion: Seek medical attention.

SB-1304 NON-FLAMMABLE METAL SEALANT

Page Number: 2/6
Revision Date: 12/01/07

SECTION 5 - FIRE FIGHTING MEASURES

Flash Point (closed up):	Greater than 212° F (100° C).
Flammable Limits:	N/D
Explosive Range (LEL/UEL):	N/D N/D
Extinguishing Media:	On large fires, use dry chemical, foam or water spray. On small fires, use carbon dioxide (CO ₂), dry chemical or water spray. Water can be used to cool fire exposed containers.
Special Fire-fighting Procedures:	Self-contained breathing apparatus and protective clothing should be worn in fighting fires involving chemicals. Determine the need to evacuate or isolate the area according to your local emergency plan.
Unusual Fire and Explosion Hazards:	None known.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Observe all personal protective equipment recommendations.
Environmental Precautions:	Disposal of collected product, residues, and cleanup materials may be governmentally regulated. Observe all applicable local, state and federal waste management regulations.
Methods for Cleanup:	Wipe up or scrape up and contain for salvage or disposal. Final cleaning may require use of steam, solvents or detergents. See applicable regulatory compliance information.

SECTION 7 - HANDLING AND STORAGE

Handling: Use with adequate ventilation. Product evolves Methy ethyl ketoxime (MEKO) and methanol when exposed to water or humid air. Provide adequate ventilation to control MEKO within exposure guidelines as described in Section 8.

Storage: Keep container closed and store away from water, moisture or oxidizing materials.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:

Local Exhaust:	Recommended
General Ventilation:	Recommended

SB-1304 NON-FLAMMABLE METAL SEALANT

Page Number: 3/6
Revision Date: 12/01/07

Skin and Body Protection: Wash at mealtimes and end of shift. If skin contact occurs, change contaminated clothing as soon as possible.

Respiratory Protection: Use respiratory protection unless adequate local exhaust ventilation is provided or air sampling data show exposures are within recommended exposure guidelines.

Hygiene Measures: Wash hands after handling and before eating. Do not eat, drink, or smoke when handling product.

Precautionary Measures: Avoid eye contact.

Note: These precautions are for room temperature handling. Use at elevated temperatures or aerosol spray applications may require added precautions.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical Form: Solid (Paste)
Color: Translucent
Odor: Oxime
Flash Point: > 212° F (100° C)
Explosion Properties: N/D
Vapor Pressure (at 100° F): N/A
Vapor Density: N/A
Density Range (lbs/gal): 8.5 - 8.6
Solubility in Water (%): Less than 0.1
Specific Gravity (at 25° C): 1.01 - 1.03
% Volatile by Volume: Less than 4%
Volatile Organic Content (VOC): 3.5% by weight; 35 g/L (0.29 lbs/gal)

Note: The above information is not intended for use in preparing product specifications.

SECTION 10 - STABILITY AND REACTIVITY

Stability: This product is stable.

Hazardous Polymerization: Will not occur.

Incompatibility: Oxidizing material can cause a reaction.

Conditions to Avoid: Store away from water or moisture.

Hazardous Decomposition Products: Thermal breakdown of this product during fire or very high heat conditions may evolve metal oxides, silicone dioxide, carbon oxides, traces of incompletely burned carbon compounds, nitrogen oxides and formaldehyde.

SB-1304 NON-FLAMMABLE METAL SEALANT

Page Number: 4/6
Revision Date: 12/01/07

SECTION 11 - TOXICOLOGICAL INFORMATION

Chronic Toxicity:

- Skin:** Product contains oximes, possible skin sensitizers. Product also contains small quantities of methanol, which is a tissue irritant that may be absorbed through the skin and produce systemic toxic effects.
- Inhalation:** Vapor overexposure may cause drowsiness, injure blood, liver and may irritate eyes, nose and throat.
- Oral:** Small amounts transferred to the mouth by fingers during use, etc., should not injure. Swallowing large amounts may injure slightly.
- Specific Effects:** Methanol overexposure may cause reproductive effects.

SECTION 12 - ECOLOGICAL INFORMATION

Complete information is not yet available.

Hazard Parameters (LC50 or EC50)	High	Medium	Low
Acute Aquatic Toxicity (mg/l)	<=1	>1 and <=100	>100
Acute Terrestrial Toxicity	<=100	>100 and <=2000	>2000

This table is adapted from "Environmental Toxicology and Risk Assessment", ASTM STP 1179, pg. 34, 1993.

This table can be used to classify the ecotoxicity of this product when data becomes available. Please read the other information presented in this section concerning the overall ecological safety of this material.

SECTION 13 - DISPOSAL CONSIDERATIONS

Product Disposal: RCRA Hazard Class (40 CFR 261)

When a decision is made to discard this material, as received, it is NOT classified as a hazardous waste.

SECTION 14 - TRANSPORT INFORMATION

DOT Information (49CFR 172.101)

Proper Shipping Name:	N/A
Hazard Class:	N/A
UN/NA Number:	None
Packing Group:	N/A

SB-1304 NON-FLAMMABLE METAL SEALANT

Page Number: 5/6
Revision Date: 12/01/07

SECTION 15 - REGULATORY INFORMATION

Contents of this MSDS comply with the OSHA Hazard Communication Standard 29 CFR 1910.1200.

US Federal Regulations:

TSCA Status: All chemical substances found in this product comply with the Toxic Substances Control Act inventory reporting requirements.

EPA SARA Title III Chemical Listings:

Section 302 Extremely Hazardous Substances/Section 304 CERCLA Hazardous Substances: None

Section 312 Hazard Class:

Acute	Yes
Chronic	Yes
Fire	No
Pressure	No
Reactive	No

Section 313: No chemicals found in this product exceed their individual weight percent thresholds applicable to SARA Section 313 and therefore no chemicals in this product are subject to Section 313 reporting.

US State Regulations:

This product does comply with the California Air Resources Board maximum for VOC's in a sealant.

States within the US that have promulgated State Right-to-Know regulations with chemical listing requirements including the chemicals in this product are provided below:

Chemical	Wt. %	CAS No.	States
Dimethyl siloxane	>60	70131-67-8	New Jersey, New York, Massachusetts, Pennsylvania
Silica, amorphous	5 - 30	7631-86-9	Massachusetts, Pennsylvania
Oximino silane	2 - 7	Trade Secret	New Jersey, Pennsylvania
Methyl ethyl ketoxime	1 - 5	96-29-7	Minnesota, New Jersey, Pennsylvania
Alkoxysilane	0 - 3	Trade Secret	New Jersey

International:

Canada: This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

Canadian DSL: All ingredients in this product are currently listed on the Canadian Domestic Substances List (DSL) and would not be considered new for the purposes of the Canadian Environmental Protection (CEPA)

Note: The recipient of this product should be aware of the possible existence of additional local regulations, which may be applicable to this product.

SB-1304 NON-FLAMMABLE METAL SEALANT

Page Number: 6/6
Revision Date: 12/01/07

SECTION 16 - OTHER INFORMATION

DISCLAIMER: These data are offered in good faith as typical values and not as a product specification. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.

Abbreviations:
N/A = Not Applicable
N/D = Not Determined
N/Est = Not Established