

Material Data Safety Sheet

ANSI 2400.1 Format

ECO-BOND Adhesives LLC

SIL 1000

Section 1. Product and Company Information

Product Name	SIL 1000	Distributed By:
Chemical Family	Silicone	ECO-BOND Adhesives, LLC
Product Use	Moisture cure sealant	N27W23960 Paul Road #202
MSDS Prepared	10/23/04	Pewaukee, WI 53072
MSDS Prepared by	Ed Zimmerman	262-347-0136

Section 2. Composition / Information on Ingredients

HAZARDOUS INGREDIENTS

<u>Ingredient Name</u>	<u>CAS Number</u>	<u>Concentration</u>
Methyl-O,O',O''- butan-2-on-trioximo-silane	22984-54-9	1 – 5%

Section 3. Hazards Identification

HMIG Health 1 **Flammability** 0 Reactivity 0 Protective Equipment B

EMERGENCY OVERVIEW

Human Effects and Symptoms of Exposure

Routes of Entry – Skin contact, Skin absorption, Inhalation, Eye.

Acute Eye Contact – Direct contact can cause severe irritation. May cause damage or burns.

Acute Skin Contact – Direct contact can cause irritation. May cause an allergic skin reaction.

Skin Absorption – May be absorbed through the skin

Acute Inhalation – May cause respiratory tract irritation. May cause narcotic effects.

Acute Ingestion – May be harmful if ingested, not a likely route of entry.

Chronic Effects of exposure –

Medical Conditions Aggravated by exposure – Preexisting skin and eye disorders may be aggravated by direct contact to this product.

Carcinogenicity – There are no components in this product that are listed as a carcinogen by NTP, IARC, ACGIH or OSHA.

Section 4. First Aid Measures

First Aid For Eyes – Flush with large amounts of water for at least 15 minutes. Consult a physician if ill effects or irritation occurs.

First Aid For Skin – Immediately wipe away excess material, use waterless hand cleaner as much of the remaining material as possible, then wash with soap and water. Seek medical attention if irritation or redness and swelling occurs.

First Aid for Inhalation – If irritation, headache, nausea or drowsiness occurs, remove to fresh air. Get medical attention if breathing becomes difficult or respiratory irritation persists.

First Aid For Ingestion – Give several glasses of water but do not induce vomiting. Consult a physician.

Section 5. Fire Fighting Measures

Special Fire Fighting Instructions – None. Full emergency equipment with self-contained breathing apparatus and full protective clothing should be worn by firefighters.

Extinguishing Media – AFFF alcohol compatible foam, CO₂, Dry Chemical..

Unusual Fire and Explosion Hazards – None. This product is not considered flammable.

Flashpoint – 250° F (121.1° C)

Upper Flammable Limit – Not applicable.

Lower Flammable Limit – Not applicable.

Autoignition temperature – Not applicable.

Sensitivity to Impact – Not applicable.

Sensitivity to Static Discharge – Not applicable.

Hazardous Combustion Products – Thermal decomposition may produce toxic fumes of Carbon Monoxide, Carbon dioxide, Formaldehyde, Silicone dioxide, 2-butanone, Butanone-2-oxime and Nitrogen oxide.

Section 6. Accidental release measures

Personal Precautions – Use personal protection recommended in section 8.

Methods For Cleaning Up – Collect spill with absorbent material such as cardboard allow to cure and place into a container approved for waste disposal.

Section 7. Handling and Storage

Handling – Use personal protection recommended in section 8. Avoid eye, skin and clothing contact.

Storage – Store in a cool dry area (this product polymerizes when in contact with moisture.)

Section 8. Exposure Controls / Personal Protection

Exposure Guidelines – For Butanone- 2-oxime; a hydrolysis byproduct CAS # 96-29-7 A maximum concentration of 3.0 ppm is recommended.

Engineering controls – General ventilation

Personal Protective Equipment:

Eye Protection – Wear safety glasses or goggles to avoid eye contact.

Skin Protection – Wear impervious gloves such as vinyl to minimize contact with skin.

Respiratory Protection – Use a NIOSH approved air-purifying respirator equipped with organic vapor cartridges if overexposure to vapors could occur.

Work/Hygienic Practices – Avoid contact with eyes and skin. Wash thoroughly after handling and before eating or drinking.

Section 9. Physical and Chemical Properties

Physical State Paste. (reacts with moisture to become a firm synthetic rubber)
Odor and appearance Aromatic, sweet odor, thick paste of various colors.
pH Not established.
Specific Gravity Varies from color to color. All colors are heavier than water.
Vapor Density (air = 1) Material Safety Data Sheet
Evaporation Rate Not Applicable.
Boiling Point Not established.
Freezing Point Not established.
Coefficient of Water/Oil Distribution Not established
Viscosity ~ 600,000 cP

Section 10. Stability and Reactivity

Stability – Considered Stable.

Conditions to Avoid – Avoid exposure to moisture, high humidity and temperatures exceeding 90° F during storage.

Incompatible Materials – Water, moisture.

Hazardous Decomposition Products – Under the effect of moisture: Butanone- 2-oxime

Hazardous polymerization – Will not occur.

Reactivity – Hazardous reaction will not occur.

Section 11. Toxicological Information

Oral –: LD₅₀ Rat > 2000 mg/kg

Skin Absorption – LD₅₀ Rabbit 1000-2000 mg/kg

Skin Direct contact – Rabbit Irritant

Eye Direct contact – Not available

Inhalation – Result: LC₅₀ Not available

Exposure Limits – For Butanone- 2-oxime; a hydrolysis byproduct CAS # 96-29-7
A maximum concentration of 3.0 ppm is recommended.

Sensitization – May cause an allergic skin reaction.

Reproductive Toxicity – No.

Mutagenicity – No.

Teratogenicity – No

Synergistic Products – None.

Section 12. Ecological Information

No known applicable information.

Section 13. Disposal Considerations

If this product as supplied becomes a waste, it does not meet the criteria of a hazardous waste as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261.

This product becomes a firm synthetic rubber when cured. Please allow to cure before disposal.

Section 14. Transport Information

Special Shipping Information – None.

DOT – Not regulated.

TDG – Not available.

PIN – Not available.

Section 15. Regulatory Information

OSHA 29 CFR 1910-1200 – Irritant.

TSCA – All components of this product are listed on TSCA Inventory.

CERCLA Reportable Quantity – Not applicable.

SARA Title III:

Section 302 Extremely Hazardous Substances – None.

Section 304 – Not applicable.

Section 311/312 – Immediate (acute) health hazard. Delayed (chronic) health hazard.

Section 313 – None.

RCRA – Refer to section 13.

California Proposition 65 – This product contains no levels of listed substances which the state of California has found to cause cancer, birth defects or other reproductive harm.

WHIMS Classification – D2B

Section 16. Other Information

Prepared in accordance with 29 CFR 1910.1200

This Product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

To the best of our knowledge, the information contained herein is accurate. However ECO-BOND Adhesives, LLC does not assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be handled with care. Although we have described herein all of the hazards to which we are currently aware, we cannot guarantee that these are the only hazards which exist.