

MSDS Document

Product BOSS® 330 Hi-Temp Red Neutral Silicone Sealant

1. Chemical Product and Company Identification

Trade Name of this Product BOSS® 330 Hi-Temp Red Neutral Silicone Sealant

Synonyms: 02676RD10, 02677RD01, C04059RD

MSDS ID BOSS330

Manufacturer

Accumetric, LLC
350 Ring Road
Elizabethtown, KY 42701

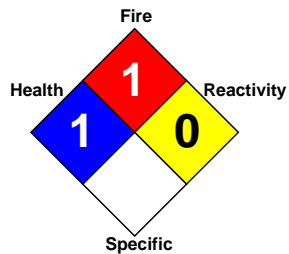
Phone Number

(270) 769-3385

Emergency Phone

CHEMTREC (800) 424-9300

Revision Date 10/16/2006



Health:	1
Fire:	1
Reactivity:	0
Specific	

2. Composition and Information on Ingredients

Ingredient	CAS Number	Weight %	ACGIH TLV	PEL	STEL
Polydimethylsiloxane diol	70131-67-8	30% - 70%			
Dimethylpolysiloxane	63148-62-9	10% - 20%			
Amorphous fumed silica	112945-52-5	5% - 10%	10 mg/m ³	6 mg/m ³	
Vinyl Oximino Silane	2224-33-1	1% - 5%			
Methyl Oximino Silane	22984-54-9	1% - 5%			
Iron oxide	1332-37-2	1% - 5%			

3. Hazard Identification

Eye Contact

Direct eye contact irritates slightly with redness and swelling.

Skin Contact

A single short term exposure (less than 24 hours) may irritate. Repeated prolonged contact (24 to 48 hours) may irritate moderately. Product contains oximes which are possible skin sensitizers.

Inhalation

Vapor overexposure may cause drowsiness, injure blood, liver and may irritate eyes, nose, and throat.

Ingestion

Low ingestion hazard in normal use. Repeated ingestion or swallowing large amounts may injure internally.

Symptoms of Overexposure

No known applicable information.

Existing Conditions Aggravated by Exposure

No known applicable information.

Comment

Methyl ethyl ketoxime (MEKO) is formed upon contact with water or humid air. Male rodents exposed to MEKO vapor throughout their lifetime developed liver tumors. Since many commonly used chemicals cause liver tumors in rats and mice, additional testing is planned by the MEKO supplier to determine any relevance to humans. Until more data is known, exposure levels should be maintained as low as possible.

Note

The above listed potential effects are based on actual data, results of studies performed upon similar compositions, component data and/or expert review of the product. Please refer to Section 11 for detailed toxicology information.

4. First Aid Information

Eye Contact

Immediately flush with water for 15 minutes.

Skin Contact

Remove from skin and immediately flush with water for 15 minutes. Get medical attention if irritation or ill effects develop or persist.

Inhalation

Remove to fresh air. If symptoms persist, obtain appropriate medical attention.

Ingestion

Get medical attention.

Comments

Treat according to person's condition and specifics of exposure.

5. Fire Fighting Measures

Flash Point Not determined

Auto-ignition Temperature
Not determined

Extinguishing Media
Alcohol Foam, Carbon Dioxide, Dry Chemical, Foam, Water Fog

Special Fire Fighting Procedures
Self-contained breathing apparatus and protective clothing should be worn when fighting large fires involving chemicals. Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire exposed containers cool.

Unusual Fire or Explosion Hazards
None known

6. Accidental Release Measures

Steps to be taken in case of spill or release
Determine whether to evacuate or isolate the area according to your local emergency plan. Observe all personal protection equipment recommendations described in Sections 5 and 8. For large spills, provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container. For small spills, wipe up or scrape up and contain for salvage or disposal. Clean area as appropriate since spilled material, even in small quantities, may present a slip hazard. Final cleaning may require the use of steam, solvents or detergents. Dispose of saturated absorbent or cleaning materials appropriately, since spontaneous heating may occur.

Local, state and federal laws and regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which federal, state and local laws and regulations are applicable. Sections 13 and 15 of this MSDS provide information regarding certain federal and state requirements.

7. Handling and Storage

Handling
Use with adequate ventilation. Avoid eye contact. Avoid breathing vapor. Keep container closed. Do not take internally.

Storage
Keep container closed and store away from water or moisture.

8. Exposure Controls and Personal Protection

Component Exposure Limits
Methyl ethyl ketoxime is formed upon contact with water or moisture in the air. Provide

adequate ventilation to control exposures to within the exposure guideline of 2 ppm (TWA).

Engineering Controls

Local Ventilation: Recommended

General Ventilation: Recommended

Eye Protection

Use proper protection - safety glasses as a minimum.

Skin Protection

Wash at mealtimes and end of shift. Contaminated clothing and shoes should be removed as soon as practical and thoroughly cleaned before reuse. Chemical protective gloves are recommended.

Suitable Gloves:

Silver Shield® 4H®

Respiratory Protection

Use respiratory protection unless adequate exhaust ventilation is provided or exposure assessment demonstrates that exposures are within exposure guidelines. Industrial Hygiene Personnel can assist in judging the adequacy of existing engineering controls.

Suitable Respirator:

General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits as determined by air sampling or are unknown, appropriate respiratory protection should be worn. Follow OSHA Respirator Regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators.

Precautionary Measures

Avoid eye contact. Avoid skin contact. Avoid breathing vapor. Keep container closed. Do not take internally. Use reasonable care.

Comment

Product evolves methyl ethyl ketoxime (MEKO) when exposed to water or humid air. Provide ventilation during use to control methyl ethyl ketoxime within the exposure guidelines or use respiratory protection.

Note

These precautions are for room temperature handling. Use at elevated temperatures or aerosol/spray applications may require added precautions. For further information regarding aerosol inhalation toxicity, please refer to the guidance document regarding the use of silicone-based materials in aerosol applications that has been developed by the silicone industry (www.SEHSC.com).

9. Physical and Chemical Properties

Physical State	Paste
Specific Gravity	1.08
Density lbs/Gal.	9.01304
Color/Appearance	Red

Odor	Slight
pH	Not applicable
Boiling/Cond. Point	Not determined
Melting/Freezing Point	Not determined
Solubility	Insoluble
Evaporation Rate	Not determined
VOC %	47 g/L
Percent Volatile	5 %
Viscosity	1,000,000 cPs
Vapor Density	Not determined
Vapor Pressure	Not determined

Note

The above information is not intended for use in preparing product specifications. Contact Accumetric LLC before writing specifications.

10. Stability and Reactivity

Chemical Stability

Stable

Hazardous Polymerization

Will not occur

Conditions to Avoid

None known

Materials to Avoid / Incompatibility

Oxidizing material can cause a reaction. Water, moisture or humid air can cause hazardous vapors to form.

11. Toxicological Information

Special Hazard Information on Component

Methyl Oximino Silane (22984-54-9) Possible skin sensitizer

Vinyl Oximino Silane (2224-33-1) Possible skin sensitizer

Component Toxicology Information

No known applicable information.

Carcinogenicity

This product is not known to be a carcinogen.

Teratogenicity

This product is not known to be a teratogen.

Mutagenicity

This product is not known to be a mutagen.

Reproductive Toxin

This product is not known to be a reproductive toxin.

12. Ecological Information

Environmental Fate and Distribution

Complete information is not yet available.

Environmental Effects

Complete information is not yet available.

Fate and Effects in Waste Water Treatment Plants

Complete information is not yet available.

13. Disposal Considerations

RCRA Hazard Class (40 CFR 261)

When a decision is made to discard this material, as received, is it classified as a hazardous waste? NO

State or local laws may impose additional regulatory requirements regarding disposal.

We make no guarantee or warranty of any kind that the use or disposal of this product complies with all local, state, or federal laws. It is also the obligation of each user of the product mentioned herein to determine and comply with the requirements of all applicable statutes.

14. Transportation Information

DOT Road Shipment Information

Not subject to DOT.

Ocean Shipment (IMDG)

Not subject to IMDG code.

Air Shipment (IATA)

Not subject to IATA regulations.

15. Regulatory Information

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

TSCA Status

All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

SARA Title III Section 302 Extremely Hazardous Substances

None

SARA Title III Section 304 CERCLA Hazardous Substances

None

SARA Title III Section 311/312

No components subject to 40 CFR 370

SARA Title III Section 313 Toxic Chemicals

None present or none present in regulated quantities.

California Proposition 65

This product contains the following chemical(s) listed by the State of California under the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) as being known to cause cancer, birth defects or other reproductive harm:

None known

Massachusetts

Silica, amorphous (7631-86-9)

16. Other Information

Disclaimer

The data contained herein is based upon information that Accumetric LLC believes to be reliable. Users of this product have the responsibility to determine that suitability of use and to adopt all necessary precautions to ensure the safety and protection of property and persons involved in said use. All statements to suggestions are made without warranty, expressed or implied, regarding the accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof.