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Material Safety Data Sheet

1. PRODUCT IDENTIFICATION

Product Name: 6M SENSOR SAFE BLUE RTV SILICONE 12 OZ. TB/BX
Item No: 80023
Product Type: Silicone

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Percent	ACGIH 8 Hr. TWA:	OSHA 8 Hr. TWA:
POLY (DIMETHYLSILOXANE), HYDROXY TERMINATED 70131-67-8	65-75	Not Listed	Not Listed
SILOXANE TREATED FUMED SILICA 68583-49-3	5-25	Not Listed	Not Listed
POLYDIMETHYLSILOXANE 63148-62-9	5-25	Not Listed	Not Listed
AMORPHOUS SILICA 7631-86-9	5-25	10 mg/m ³ TWA	6 mg/m ³ TWA
ETHYLTRIACTOXSILANE 17689-77-9	1-10	Not Listed	Not Listed
METHYLTRIACTOXSILANE 4253-34-3	1-10	Not Listed	Not Listed
ACETIC ACID 64-19-7	****	10 ppm TWA; 25 mg/m ³ TWA	10 ppm TWA; 25 mg/m ³ TWA

3. HAZARDS IDENTIFICATION

Toxicity: ****When this product is exposed to moisture, 1-3% acetic acid may be formed. May cause eye and skin irritation. May irritate lips, gums, tongue, mouth, nose and throat. May be harmful if swallowed. When heated to temperatures above 300 degrees F. in the presence of air, this product can form formaldehyde vapors. Formaldehyde is a potential cancer hazard and a known skin and respiratory sensitizer. Safe handling conditions may be maintained by keeping vapor concentrations below the OSHA permissible limit for formaldehyde. Hydroxy terminated silicone: Oral LD50 greater than 40,000 mg/kg (rat), Inhalation LC50 greater than 535 mg/l (rat); Methyltriacetoxysilane: Oral LD50 = 2060 mg/kg; Siloxane treated fumed silica: Oral LD50 greater than 40,000 mg/kg (rat), Inhalation LC50 greater than 535 mg/l (rat).

Primary Routes of Entry: Eye and skin contact, ingestion, inhalation.

Signs and Symptoms of Exposure: Acetic acid produced during curing irritates eyes, nose and throat. Repeated skin contact may cause allergic skin reactions.

Medical Conditions Recognized as Being Aggravated by Exposure: Methyltriacetoxysilane: Eye, skin and pulmonary disorders.

4. FIRST AID MEASURES

Ingestion: Rinse mouth If swallowed, seek medical advice immediately and show this container or label

Inhalation: Move to fresh air in case of accidental inhalation of vapors Oxygen or artificial respiration if needed
Obtain medical attention

Skin Contact: Wipe off paste with paper towel or cloth. Wash off with soap and water If skin irritation persists, call a physician

Eye Contact: In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice

5. FIRE FIGHTING MEASURES

Flash Point (°F/C): More than 200 degrees F. Method: Tag Closed Cup

Recommended Extinguishing Media: Carbon Dioxide, Dry Chemicals, Foam.

Special Fire-Fighting Procedures: Water spray may be ineffective on flames but should be used to keep fire-exposed containers cool.

Hazardous Products Formed by Fire or Thermal Decomposition: Acetic acid, Formaldehyde, Silica fume, Oxides of carbon. Oxides of nitrogen, Metal oxide fumes, Incomplete combustion may emit component hydrocarbons.

Unusual Fire/Explosion Hazards: None

Lower Explosive Limit: Acetic acid: 4%
Upper Explosive Limit: Acetic acid: 19.9% @ 200 degrees F.

6. ACCIDENTAL RELEASE MEASURES

Spill Procedures: Wipe or scrape up spill material. Maintain good ventilation for large spills. Place scrap material in a well-ventilated area and allow to cure to rubber. Clean up spills thoroughly as residue is slippery.

7. HANDLING AND STORAGE

Storage: Store in a dry area below 90 degrees F. Keep container closed when not in use.

Handling: Avoid contact with skin and eyes. Do not inhale vapors.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes: Safety glasses.

Skin: Rubber or plastic gloves

Ventilation: Provide adequate ventilation

Respiratory Protection: not required under normal use In case of insufficient ventilation, wear suitable respiratory equipment

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Blue paste

Odor: Acetic acid

Boiling Point (°F): Not applicable, polymeric material

pH: Does not apply

Solubility in Water: Polymerized

Specific Gravity: 1.04

VOC Content(Wt.%): 4.6% by weight; 47.8 g/l

Vapor Pressure: Less than 5 mm Hg @ 80 degrees F.

Vapor Density (Air=1): Not Determined

Evaporation Rate: Not Determined

10. STABILITY AND REACTIVITY

Chemical Stability: Stable at normal conditions

Hazardous Polymerization: WILL NOT OCCUR

Incompatibilities: Polymerized by contact with moisture. Acetic acid liberated.

Conditions to Avoid: Exposure to moisture

Hazardous Products Formed by Fire or Thermal Decomposition: Acetic acid, Formaldehyde, Silica fume, Oxides of carbon. Oxides of nitrogen, Metal oxide fumes, Incomplete combustion may emit component hydrocarbons.

11. TOXICOLOGICAL INFORMATION

See Section 3

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

Recommended Method of Disposal: Disposal should be made in accordance with federal, state and local regulations.

US EPA Waste Number: NH - Not a RCRA Hazardous Waste Material

14. TRANSPORTATION INFORMATION

DOT (49CFR 172)

Domestic Ground Transport

DOT Shipping Name: Unrestricted

Hazard Class: NONE

UN/ID Number: None

Marine Pollutant: None

IATA

Product name: 6M SENSOR SAFE BLUE RTV
SILICONE 12 OZ. TB/BX

Item 80023

Proper Shipping Name: not regulated
Class or Division: None
UN/NA Number: None

IMDG

Proper Shipping: Unrestricted
Hazard Class: None
UN Number: None

15. REGULATORY INFORMATION

SARA 313 Chemicals: The following component(s) is listed as a SARA Section 313 Toxic Chemical.

SARA 313 Information

NONE

CALIFORNIA PROP 65:

WARNING: This product contains a chemical known to the State of California to cause cancer.

TSCA Inventory Status:

Listed on Inventory: YES All components of this product are listed (or exempt) on the EPA TSCA inventory.

16. OTHER INFORMATION

Estimated NFPA Rating: HEALTH 2, FLAMMABILITY 1, REACTIVITY 1

Estimated HMIS Classification: HEALTH 2, FLAMMABILILTY 1, PHYSICAL HAZARD 0

NFPA is a registered trademark of the National Fire Protection Assn.

HMIS is a registered trademark of the National Paint and Coatings Assn.

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Number:

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