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## Material Safety Data Sheet

### 1. PRODUCT IDENTIFICATION

**Product Name:** 6BR SENSOR SAFE BLUE RTV SILICONE 3 OZ TB/CG  
**Item No:** 80022  
**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 <sup>3</sup> TWA	6 mg/m <sup>3</sup> TWA
ETHYLTRIAACETOXSILANE 17689-77-9	1-10	Not Listed	Not Listed
METHYLTRIAACETOXSILANE 4253-34-3	1-10	Not Listed	Not Listed
ACETIC ACID 64-19-7	****	10 ppm TWA; 25 mg/m <sup>3</sup> TWA	10 ppm TWA; 25 mg/m <sup>3</sup> 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.

**Product name:** 6BR SENSOR SAFE BLUE RTV  
SILICONE 3 OZ TB/CG

**Item 80022**

**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**

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**Item 80022**

**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, FLAMMABILTY 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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