

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: 77 BR U. BLUE 3.35 OZ TB/CG  
Item No.: 09122  
Part No.: 77BR  
Product Type: Elastomeric Rubber

09122



2. COMPOSITION, INFORMATION ON INGREDIENTS

SILICONE RTV HI-TECH BLUE I 06/06/2001 I

Ingredients	CAS No.	%
Calcium carbonate	471-34-1	45-50
Poly(dimethylsiloxane), hydroxy terminated	70131-67-8	30-35
Polybutene	9003-29-6	10-15
Methyl oximinosilane	22984-54-9	1-3
Vinyl oximinosilane	2224-33-1	1-3
Methyl ethyl ketoxime	Proprietary	***

\*\*\*When this product is exposed to moisture, up to 5% methyl ethyl ketoxime may be formed.

Ingredients which have exposure limits

Exposure Limits (TWA) Ingredients	ACGIH (TLV)	OSHA (PEL)	OTHER
Calcium carbonate	10 mg/m3 dust	15 mg/m3 dust	None
Methyl ethyl ketoxime	None	5 mg/m3 respir. None	3 ppm TWA 10 ppm STEL

  

Exposure Limits (STEL) Ingredients	ACGIH (TLV)	OSHA (PEL)

3. HAZARDS IDENTIFICATION

**Toxicity:** The silane is a skin and eye irritant and may cause skin burns. Vapors and mist irritate the respiratory tract and nasal passages. Ingestion may cause methemoglobinemia, anemia, and narcosis. The low concentration of the silane minimizes its affect on health and safety. When heated to temperatures above 300°F (150°C) in the presence of air, this 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 below the OSHA permissible limit for formaldehyde. The product is moderately toxic by ingestion. Skin, ingestion, inhalation, eyes.

**Primary Routes of Entry:** Skin, ingestion, inhalation, eyes.

**Signs and Symptoms of Exposure:** The silanes may cause an allergic skin reaction. Methyl ethyl ketoxime produced during cure is toxic and irritates eyes, nose and throat. Overexposure to the silane may cause coma and respiratory failure. Such overexposure is unlikely.

**Existing Conditions Aggravated by Exposure:** None known

Ingredients	Literature Referenced Target Organ and Other Health Effects	Carcinogen		
		NTP	IARC	OSHA
Calcium carbonate	NUI	NO	NO	NO
Poly(dimethylsiloxane), hydroxy terminated	NTO	NO	NO	NO
Polybutene	NTO	NO	NO	NO
Methyl oximinosilane	NTO	NO	NO	NO
Vinyl oximinosilane	No Data	NO	NO	NO
Methyl ethyl ketoxime	ALG BLO CNS EYE IRR SOM	NO	NO	NO

Abbreviations

ALG Allergen  
CNS Central nervous system  
IRR Irritant  
NUI Nuisance dust  
BLO Blood  
EYE Eyes  
NTO No Target Organs  
SOM Evidence of some carcinogenicity

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Product Name: 77 BR U. BLUE 3.35 OZ TB/CG  
Item No.: 091224. FIRST AID MEASURES

Ingestion: Do not induce vomiting. Keep individual calm. Obtain medical attention

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

Skin Contact: Wipe off paste with paper towel or cloth. Wash thoroughly with soap and water

Eye Contact: Flush at least 15 minutes with water. Obtain medical attention.

5. FIRE FIGHTING MEASURES

Flash Point: More than 200° F Method: Tag Closed Cup

Recommended Extinguishing Agents: Carbon dioxide, foam, dry chemical

Special Firefighting Procedures: Not available

Hazardous Products formed by Fire or Thermal Decomp: Formaldehyde, silica fume, oxides of carbon and nitrogen, methyl ethyl ketone, possibly methyl ethyl ketoxime.

Unusual Fire or Explosion Hazards: None

Explosive Limits:  
(% by volume in air) Lower Not available  
(% by volume in air) Upper Not available

6. ACCIDENTAL RELEASE MEASURES

Steps to be taken in case of spill or leak: Wipe or scrape up spilled material. Maintain good ventilation for large spills. Place scrap material in a well ventilated area and allow to cure to rubber.

7. HANDLING AND STORAGE

Safe Storage: Store in a dry area below 90° F. Keep containers closed when not in use.

(Contact Loctite Customer Service 1-800-243-4874 for shelf life information)

Handling: Avoid skin and eye contact. Avoid breathing vapor.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Eyes: Safety glasses or goggles. Avoid contact lenses.

Skin: Rubber or plastic gloves.

Ventilation: Provide local ventilation for prolonged use in a confined area.

Respiratory: NIOSH approved respirator if ventilation is inadequate.

See Section 2 for Exposure Limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Blue paste

Odor: Mild

Boiling Point: Not Applicable, Polymeric

pH: Does not apply

Solubility in Water: Polymerized

Specific Gravity: 1.34

Volatile Organic Compound (EPA Method 24): 5.5%; 73.7 grams per liter

Vapor Pressure: Less than 5mm at 70 F.

Vapor Density: 3.0

Evaporation Rate (Ether = 1): Not available

10. STABILITY AND REACTIVITY

Stability: Stable

Hazardous Polymerization: Will not occur

Incompatibility: Strong oxidizers, water, iron, acids. Polymerized by contact with moisture.

Conditions to Avoid: Not available

Hazardous Decomposition Products (non-thermal): Methyl ethyl ketoxime

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Product Name: 77 BR U. BLUE 3.35 OZ TB/CG  
Item No.: 0912211. TOXICOLOGICAL INFORMATION

See Section 3.

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONSRecommended methods of disposal: Cured rubber can be incinerated or landfilled following EPA and local regulations  
EPA Hazardous Waste Number: NH - Not a RCRA Hazardous Waste Material14. TRANSPORTATION INFORMATIONDOT (49 CFR 172)  
Domestic Ground Transport  
Proper Shipping Name: Unrestricted  
Hazard Class or Division: Unrestricted  
Identification Number: None  
Marine Pollutant: None  
IATA  
Proper Shipping Name: Unrestricted  
Class or Division: Unrestricted  
UN or ID Number: None15. REGULATORY INFORMATION

CA Proposition 65: No Prop65 chemicals are known to be present.

16. OTHER INFORMATIONEstimated NFPA(R) Code:  
Health Hazard: 1  
Fire Hazard: 1  
Reactivity Hazard: 0  
Specific Hazard: No waterEstimated HMIS(R) Code:  
Health Hazard: 1\*  
Flammability Hazard: 1  
Reactivity Hazards: 0  
Personal Protection: See Section 8.NFPA is a registered trademark of the National Fire Protection Assn.  
HMIS is a registered trademark of the National Paint and Coatings Assn.Prepared By: Stephen Repetto  
Title: Research Chemist- Safety, Health & Regulatory Affairs  
Company: Loctite Corp., 1001 Tr Br Cr, Rocky Hill CT 06067  
(24hr.) Phone: (860) 571-5100  
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