

Balkamp Sensor Safe Ultra Blue(TM) RTV Silicone

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MATERIAL SAFETY DATA SHEET

Effective Date: none Revision Date: none  
Balkamp Sensor Safe Ultra Blue(TM) RTV Silicone  
Code: LOC Page: 1

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Section 1 - Product and Company Identification

PRODUCT NAME: Balkamp Sensor Safe Ultra Blue(TM) RTV Silicone

MANUFACTURER'S NAME: EMERGENCY TELEPHONE NUMBER  
Loctite Corporation (203)571-5100

Rocky Hill, CT 06067 MISCELLANEOUS INFORMATION

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Section 2 - Hazardous Ingredients

Ingredients CAS No. %

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Poly(dimethylsiloxane),  
hydroxy terminated 70131-67-8 35-40  
Calcium Carbonate 471-34-1 30-35  
Poly(dimethylsiloxane),  
dimethyl 63148-62-9 15-20  
Modified silicon dioxide 68611-44-9 5-10  
Vinyl oximosilane 2224-33-1 3-5  
Substituted silane Proprietary 0.1-1  
Methyl ethyl ketoxime 96-29-7 \*\*\*

\*\*\*When this product is exposed to moisture, 5-10% methyl ethyl  
ketoxime may be formed.

Ingredients which have exposure limits

Exposure Limits (TWA) ACGIH OSHA OTHER  
Ingredients (TLV) (PEL)

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Calcium Carbonate 10 mg/m3 dust 15 mg/m3 dust None  
5 mg/m3 respir.  
Modified silicon dioxide 10 mg/m3 6 mg/m3 6 mg/m3  
Methyl ethyl ketoxime None None 10 ppm TWA

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

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Section 3 - Hazards Identification

Toxicity: Eye and skin irritant. Moderately toxic by  
ingestion. When heated to temperatures above

300 deg. F (150 deg. 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. Vapors irritate eyes, nose and throat. Safe handling conditions may be maintained by keeping vapor concentrations below the OSHA permissible limit for formaldehyde. Primary Routes of Entry: Skin absorption, ingestion, inhalation. Signs and symptoms of Exposure: Methyl ethyl ketoxime produced during cure is toxic and irritates eyes, nose and throat. Existing Conditions Aggravated by Exposure: Dermatitis

Literature Referenced Carcinogen  
Ingredients Target Organ and Other Health Effects NTP IARC  
OSHA

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Poly(dimethylsiloxane),  
hydroxy terminated No Data NO NO NO  
Calcium Carbonate NUI NO NO NO  
Poly(dimethylsiloxane),  
dimethyl IRR NO NO NO  
Modified silicon dioxide No Data NO NO NO  
Vinyl oximinosilane No Data NO NO NO  
Substituted silane No Data NO NO NO  
Methyl ethyl ketoxime ALG BLO CNS IRR NO NO NO  
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Abbreviations

ALG Allergen BLO Blood  
CNS Central nervous system IRR Irritant  
NUI Nuisance dust

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Section 4 - 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.

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Section 5 - Firefighting Measures

Flash Point: More than 200 Deg. F Method: Tag Closed Cup Recommended  
Extinguishing Agents: Carbon dioxide, foam, dry chemical  
Hazardous Products formed  
by Fire or Thermal Decomp Formaldehyde, silica fume  
Unusual Fire or  
Explosion Hazards: None

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

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Section 6 - Environmental 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.

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Section 7 - Handling and Storage

Safe Storage: Store in a dry area below 90 Deg. 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  
Do not wear contact lenses while applying material  
Vapor may be trapped under lens.

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Section 8 - Exposure Controls/Personal Protection

Eyes: Safety glasses or goggles.  
Skin: Rubber or plastic gloves.  
Ventilation: Provide local ventilation for prolonged use in a  
confined area.

See Section 2 for Exposure Limits.

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Section 9 - Physical and Chemical Properties

Appearance: Blue paste  
Odor: Mild  
Boiling Point: Not Applicable, Polymeric  
pH: 7-8  
Solubility in Water: Polymerized  
Specific Gravity 1.3  
Volatile Organic Compound  
(EPA Method 24) 3.9%; 50.7 grams per liter  
Vapor Pressure: Less than 5mm at 70 Deg. F  
Vapor Density: 3.0  
Evaportation Rate  
(Ether = 1) Not available

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Section 10 - Stability and Reactivity

Stability: Stable  
Hazardous Polymerization: Will not occur  
Incompatibility: Strong oxidizers. Polymerized by contact with

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

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Section 11 - Toxicological Information

See Section 3.

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Section 12 - Ecological Information

No data available

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Section 13 - Disposal Considerations

Recommended methods of  
disposal: Cured rubber can be incinerated following EPA  
and local regulations

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Section 14 - Transport Information

DOT (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: None

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Section 15 - Regulatory Information

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

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Section 16 - Other Information

Estimated NFPA(R) Code:  
Health Hazard: 1  
Fire Hazard: 1  
Reactivity Hazard: 0  
Specific Hazard: No water.

Estimated 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.

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Revision Date: January 22, 1996 Revision: 0031

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