

Balkamp Blue RTV Silicone 3 oz.

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MATERIAL SAFETY DATA SHEET

Effective Date: 11-17-99 Revision Date: none

Balkamp Blue RTV Silicone 3 oz.

Code: PER Page: 1

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Section 1 - Product and Company Identification

PRODUCT NAME: Balkamp Blue RTV Silicone 3 oz.

MANUFACTURER'S NAME: EMERGENCY TELEPHONE NUMBER

Permatex, Inc. (877)376-2839

Hartford, CT 06106 MISCELLANEOUS INFORMATION

(860)571-5100

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Section 2 - Hazardous Ingredients

Ingredients CAS No. %

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Poly(dimethylsiloxane),  
hydroxy terminated 70131-67-8 10-80  
Poly(dimethylsiloxane),  
dimethyl 63148-62-9 0-80  
Proprietary Proprietary 0-30  
Proprietary Proprietary 0-30  
SILICA, AMORPHOUS TREATED 112945-52-5 0-10  
Methyltriacetoxysilane 4253-34-3 1-5  
Ethyltriacetoxysilane 17689-77-9 0-3  
LEAD CHROMATE 7758-97-6 0.01-0.1  
ACETIC ACID 64-19-7 \*\*\*

\*\*\* Up to 5% acetic acid may be released upon exposure to moisture.

Ingredients which have exposure limits

Exposure Limits (TWA) ACGIH OSHA OTHER

Ingredients (TLV) (PEL)

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Proprietary None 15 mg/m3 None  
SILICA, AMORPHOUS TREATED 10 mg/m3 TWA 6 mg/m3 TWA 3 mg/m3 TWA  
resp. dust  
LEAD CHROMATE Pb: 0.05 ppm 0.5 mg/m3 Cr None  
Cr: 0.012 ppm  
ACETIC ACID 10 ppm TWA 10 ppm TWA None  
25 mg/m3 25 mg/m3

Exposure Limits (STEL) ACGIH OSHA

Ingredients (TLV) (PEL)

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ACETIC ACID 15 ppm None  
37 mg/m3

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Section 3 - Hazards Identification

Toxicity: Eye and skin irritant. May also irritate lips, gums, tongue, mouth, nose, and throat. May be harmful if swallowed. Hydroxy terminated silicone:

Oral LD50 more than 40,000 mg/kg (rat)

Inhalation LC50 more than 535 mg/liter (rat)

Methyltriacetoxysilane: Oral LD50 = 2060 mg/kg.

Second proprietary component:

Estimated oral LD50 more than 40,000 mg/kg (rat)

Estimated inhalation LC50 more than 535 mg/liter (rat)

Primary Routes of Entry: Skin, eyes, inhalation.

Signs and symptoms

of Exposure: Acetic acid produced during cure irritates eyes, nose, and throat.

Existing Conditions

Aggravated by Exposure: Methyltriacetoxysilane: Eye, skin, and pulmonary disorders.

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  
Poly(dimethylsiloxane),  
dimethyl IRR NO NO NO  
Proprietary No Data NO NO NO  
Proprietary No Data NO NO NO  
SILICA, AMORPHOUS TREATED NUI NO N/A NO  
Methyltriacetoxysilane No Data NO NO NO  
Ethyltriacetoxysilane No Data NO NO NO  
LEAD CHROMATE AC2 ALG BLO COR DEV EYE GAS IRR YES NO NO  
KID MUS MUT NER REP RES  
ACETIC ACID COR EYE GAS IMM IRR NO NO NO  
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Abbreviations

N/A Not Applicable AC2 ACGIH suspected human carcinogen  
ALG Allergen BLO Blood  
COR Corrosive DEV Developmental  
EYE Eyes GAS Gastrointestinal  
IMM Immune system IRR Irritant  
KID Kidney MUS Muscle  
MUT Mutagen NER Nervous System  
NUI Nuisance dust REP Reproductive  
RES Respiratory

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Section 4 - First Aid Measures

Ingestion: Rinse mouth with water several times.

Do not induce vomiting. Keep individual calm.

Obtain medical attention.

Inhalation: Remove to fresh air. Treat symptomatically.

Skin Contact: Wipe off paste with paper towel or cloth.

Wash exposed area with detergent and water.  
Obtain medical attention if irritation persists.  
Eye Contact: Immediately flush at least 15 minutes with plenty  
of 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, water fog  
Hazardous Products formed  
by Fire or Thermal Decomp Acetic acid, formaldehyde, silica fume, oxides of  
carbon.  
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: Wear proper protection equipment as specified in  
Section X. Wipe, scrape, or soak up spilled  
material with an inert absorbent. Maintain  
good ventilation for large spills. Place scrap  
material in a well ventilated place and allow to  
cure to rubber. Wash walking surface with  
detergent and water to reduce slipping hazard.

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Section 7 - Handling and Storage

Safe Storage: Store in a dry area below 90 Deg. F.  
Keep container closed when not in use.  
  
(Contact Loctite Customer Service 1-800-243-4874 for shelf Life information)  
  
Handling: Avoid breathing vapor. Avoid eye or skin contact.

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Section 8 - Exposure Controls/Personal Protection

Eyes: Safety glasses or goggles.  
Skin: Cloth gloves under rubber or plastic gloves.  
Ventilation: Provide mechanical ventilation sufficient to  
maintain vapor concentration below TLV.

See Section 2 for Exposure Limits.

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Section 9 - Physical and Chemical Properties

Appearance: Blue paste

Odor: Acetic acid  
Boiling Point: Not Applicable, Polymeric material  
pH: Does not apply  
Solubility in Water: Polymerized  
Specific Gravity 1.04 at 70 Deg. F  
Volatile Organic Compound  
(EPA Method 24) 4.6%, 47.8 grams per liter  
Vapor Pressure: Less than 5 mm at 80 Deg. F  
Vapor Density: Not available  
Evaporation Rate  
(Ether = 1) More than 1

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Section 10 - Stability and Reactivity

Stability: Stable  
Hazardous Polymerization: Will not occur  
Incompatibility: Oxidizing material.  
Polymerized by contact with moisture.  
Hazardous Decomposition  
Products (non-thermal): Acetic acid

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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 scrap can be incinerated. Follow 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: 2  
Fire Hazard: 1  
Reactivity Hazard: 0  
Specific Hazard: Does not apply

Estimated HMIS(R) Code:  
Health Hazard: 2  
Flammability Hazard: 0  
Reactivity Hazards: 1  
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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