

LOCTITE CORPORATION

1001 TROUT BROOK CROSSING
 ROCKY HILL, CT 06067-3910
 EMERGENCY PHONE: (860) 571-5100

ISSUED 8/31/98
 14:01:39
 FAX: (860) 571-5465

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Form-A-Gasket(R) Silicone Blue RTV Gasket Maker
 Item No.: 80627
 Part No.: 5B
 Product Type: Silicone

2. COMPOSITION, INFORMATION ON INGREDIENTS

Ingredients	CAS No.	%
Poly(dimethylsiloxane), hydroxy terminated	70131-67-8	40-90
Poly(dimethylsiloxane), dimethyl	63148-62-9	10-30
Proprietary	Proprietary	10-30
Methyltriacetoxysilane	4253-34-3	1-5
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) Ingredients	ACGIH (TLV)	OSHA (PEL)	OTHER
Proprietary	None	15 mg/m3	None
ACETIC ACID	10 ppm TWA 25 mg/m3	10 ppm TWA 25 mg/m3	None
Exposure Limits (STEL) Ingredients	ACGIH (TLV)	OSHA (PEL)	
ACETIC ACID	15 ppm 37 mg/m3	None	

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 = 2050 mg/kg.
 Proprietary component:
 Estimated oral LD50 more than 40,000 mg/kg (rat)
 Estimated inhalation LC50 more than 535 mg/liter (rat)
 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.
 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.

Ingredients	Literature Referenced Target Organ and Other Health Effects	Carcinogen NTP IARC OSHA
Poly(dimethylsiloxane), hydroxy terminated	No Data	NO NO NO
Poly(dimethylsiloxane), dimethyl	IRR	NO NO NO

LOCTITE CORPORATION

1001 TROUT BROOK CROSSING
ROCKY HILL, CT 06067-3910
EMERGENCY PHONE: (860) 571-5100

ISSUED 8/31/98
14:01:39
FAX: (860) 571-5465

MATERIAL SAFETY DATA SHEET

Page 2 of 4

Product Name: Form-A-Gasket(R) Silicone Blue RTV Gasket Maker
Item No.: 80627

3. HAZARDS IDENTIFICATION

(continued)

Proprietary	No Data	NO	NO	NO
Methyltriacetoxysilane	No Data	NO	NO	NO
ACETIC ACID	COR EYE GAS IMM IRR	NO	NO	NO

Abbreviations

COR Corrosive	EYE Eyes
GAS Gastrointestinal	IMM Immune system
IRR Irritant	

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.

5. FIRE FIGHTING MEASURES

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

Recommended Extinguishing Agents: Carbon dioxide, foam, dry chemical, water fog

Special Firefighting Procedures: Not available

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

6. ACCIDENTAL 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.

7. HANDLING AND STORAGE

Safe Storage: Store in a dry area below 90°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.

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.

Respiratory: Not available

See Section 2 for Exposure Limits.

LOCTITE CORPORATION

1001 TROUT BROOK CROSSING
ROCKY HILL, CT 06067-3910
EMERGENCY PHONE: (860) 571-5100ISSUED 8/31/98
14:01:39
FAX: (860) 571-5465MATERIAL SAFETY DATA SHEET

Page 3 of 4

Product Name: Form-A-Gasket(R) Silicone Blue RTV Gasket Maker
Item No.: 806279. 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°F
Volatile Organic Compound (EPA Method 24)	4.6%, 47.8 grams per liter
Vapor Pressure:	Less than 5 mm at 80°F
Vapor Density:	Not available
Evaporation Rate (Ether = 1)	More than 1

10. STABILITY AND REACTIVITY

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

11. TOXICOLOGICAL INFORMATION

See Section 3.

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

Recommended methods of disposal:	Cured rubber scrap can be incinerated. Follow EPA and local regulations.
EPA Hazardous Waste Number	NH - Not a RCRA Hazardous Waste Material

14. TRANSPORTATION 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

15. REGULATORY INFORMATION

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

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:	1
Reactivity Hazards:	0
Personal Protection:	See Section 8.

LOCTITE CORPORATION

1001 TROUT BROOK CROSSING
ROCKY HILL, CT 06067-3910
EMERGENCY PHONE: (860) 571-5100

ISSUED 8/31/98
14:01:39
FAX: (860) 571-5465

MATERIAL SAFETY DATA SHEET

Page 4 of 4

Product Name: Form-A-Gasket(R) Silicone Blue RTV Gasket Maker
Item No.: 80627

16. OTHER INFORMATION (continued)

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
Revision Date: January 22, 1996 Revision: 0002