

Wash exposed area with detergent and water.  
Obtain medical attention if irritation or other

PERMATEX, INC.

11/17/99

HARTFORD, CT 06106  
TELEPHONE: (877) 376-2839

MATERIAL SAFETY DATA SHEET

Page 03 of 06

Product Name: Permatex(R) Blue RTV Silicone Gasket  
Item No.: 80022

## 4. FIRST AID MEASURES

(continued)

Eye Contact: ill effects develop or persist.  
Immediately flush at least 15 minutes with plenty  
of water. Obtain medical attention.

## 5. FIRE FIGHTING MEASURES

Flash Point: More than 200øF Method: Tag Closed Cup

Recommended

Extinguishing Agents: Large fires: Dry chemical, foam, water spray.  
Small fires: Carbon dioxide, dry chemical, water  
spray.

Special Firefighting

Procedures: Use water spray to keep fire exposed containers  
cool.

Hazardous Products formed

by Fire or Thermal Decomp Acetic acid, formaldehyde, silica fume, oxides of  
carbon and nitrogen, metal oxides, incompletely  
burned carbon compounds.

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 90øF.

Handling: Keep container closed when not in use.

Avoid breathing vapor. Avoid eye or skin contact.  
Wash at meal times and at end of shift.

## 8. EXPOSURE CONTROLS, PERSONAL PROTECTION

PERMATEX, INC.

11/17/99

HARTFORD, CT 06106  
TELEPHONE: (877) 376-2839

## MATERIAL SAFETY DATA SHEET

Page 02 of 06

Product Name: Permatex(R) Blue RTV Silicone Gasket  
Item No.: 80022

## 3. HAZARDS IDENTIFICATION

(continued)

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. Repeated skin contact may cause allergic skin reactions.

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	NTO	NO	NO	NO
Poly(dimethylsiloxane), dimethyl	IRR	NO	NO	NO
SILICA, AMORPHOUS	NUI	NO	N/A	NO
Siloxane treated fumed silica	No Data	NO	NO	NO
Methyltriacetoxysilane	NTO	NO	NO	NO
Ethyltriacetoxysilane	No Data	NO	NO	NO
Blue pigment	No Data	NO	NO	NO
ACETIC ACID	ALG COR EYE GAS IMM IRR KID	NO	NO	NO

## Abbreviations

N/A Not Applicable	ALG Allergen
COR Corrosive	EYE Eyes
GAS Gastrointestinal	IMM Immune system
IRR Irritant	KID Kidney
NTO No Target Organs	NUI Nuisance dust

## 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.

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

PERMATEX, INC.

11/17/99

HARTFORD, CT 06106  
TELEPHONE: (877) 376-2839

MATERIAL SAFETY DATA SHEET

Page 05 of 06

Product Name: Permatex(R) Blue RTV Silicone Gasket  
Item No.: 80022

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

Eyes: Safety glasses or goggles.  
 Skin: Cloth gloves under rubber or plastic gloves.  
 Contaminated clothes and shoes should be removed

PERMATEX, INC.

11/17/99

HARTFORD, CT 06106  
 TELEPHONE: (877) 376-2839

## MATERIAL SAFETY DATA SHEET

Page 04 of 06

Product Name: Permatex(R) Blue RTV Silicone Gasket  
 Item No.: 80022

## 8. EXPOSURE CONTROLS, PERSONAL PROTECTION

(continued)

as soon as practical and thoroughly cleaned before reuse.  
 Ventilation: Provide mechanical ventilation sufficient to maintain vapor concentration below TLV.  
 Respiratory: Use approved NIOSH respiratory protection if TLV is exceeded or overexposure is likely.

See Section 2 for Exposure Limits.

## 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 70øF to 77øF  
 Volatile Organic Compound (EPA Method 24): 4.6%, 47.8 grams per liter  
 Vapor Pressure: Less than 5 mm at 80øF  
 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

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.  
 Siloxane treated fumed silica:  
 Estimated oral LD50 more than 40,000 mg/kg (rat)

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: Denise Boyd  
Title: Health & Safety Manager  
Company: Permatex, Inc. 10 Columbus Blvd. Hartford, CT 06106

PERMATEX, INC.

11/17/99

HARTFORD, CT 06106  
TELEPHONE: (877) 376-2839

MATERIAL SAFETY DATA SHEET

Page 06 of 06

Product Name: Permatex(R) Blue RTV Silicone Gasket  
Item No.: 80022

16. OTHER INFORMATION

(continued)

(24hr.) Phone: 1-87-Permatex (8770376-2839)  
Revision Date: February 05, 1999 Revision: 0005

**Back To MSDS Datasheets**

PERMATEX, INC.

11/17/99

HARTFORD, CT 06106  
TELEPHONE: (877) 376-2839

MATERIAL SAFETY DATA SHEET

Page 01 of 06

Permatex(R) Blue RTV Silicone Gasket  
80022

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name:	Permatex(R) Blue RTV Silicone Gasket
Item No.:	80022
Part No.:	6BR
Product Type:	Silicone

## 2. COMPOSITION, INFORMATION ON INGREDIENTS

Ingredients	CAS No.	%
Poly(dimethylsiloxane), hydroxy terminated	70131-67-8	60-80
Poly(dimethylsiloxane), dimethyl	63148-62-9	3-30
SILICA, AMORPHOUS	7631-86-9	0-30
Siloxane treated fumed silica	68583-49-3	0-30
Methyltriacetoxysilane	4253-34-3	1-5
Ethyltriacetoxysilane	17689-77-9	0-5
Blue pigment	1345-16-0	0.1-1
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) Ingredients	ACGIH (TLV)	OSHA (PEL)	OTHER
SILICA, AMORPHOUS	10mg/m3 TWA	6mg/m3 TWA	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.

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