

TITE CORPORATION

09/11/96

ROCKY HILL, CONNECTICUT 06067
EMERGENCY PHONE: (860) 571-5100

MATERIAL SAFETY DATA SHEET

Page 01 of 05

Permatex(R) Form-A-Gasket(R) #1 Sealant
80008

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Permatex(R) Form-A-Gasket(R) #1 Sealant
Fast Drying Hard Setting

Item No.: 80008

Part No.: 1BR

Product Type: Sealant

2. COMPOSITION, INFORMATION ON INGREDIENTS

Ingredients	CAS No.	%
Clay	1332-58-7	50-55
Rosin	8050-09-7	20-25
ISOPROPYL ALCOHOL	67-63-0	10-15
Vegetable oil	68187-84-8	5-10
Soybean derivative	8002-43-5	1-3
IRON OXIDE	1309-37-1	0.1-0.5

Ingredients which have exposure limits

Exposure Limits (TWA) Ingredients	ACGIH (TLV)	OSHA (PEL)	OTHER
Clay	2 mg/m3 dust	10 mg/m3 dust 5 mg/m3 respir.	None
ISOPROPYL ALCOHOL	400 ppm TWA 983 mg/m3	400 ppm TWA 980 mg/m3	None
IRON OXIDE	5 mg/M3 (Fe)	10 mg/M3 (Fe) particulate	None

Exposure Limits (STEL) Ingredients	ACGIH (TLV)	OSHA (PEL)
ISOPROPYL ALCOHOL	500 ppm 1230 mg/m3	500 ppm 1225 mg/m3

3. HAZARDS IDENTIFICATION

Toxicity: Eye irritant.
Oral LD50 greater than 5000 mg/kg (estimated)

Primary Routes of Entry: Inhalation, ingestion, contact.

Signs and symptoms
of Exposure: Vapor above TLV is irritating to eyes, nose,
throat and can cause headache, dizziness, and
nausea.

Exposure Conditions

Aggravated by Exposure: Skin, eye, and respiratory disorders.

3. HAZARDS IDENTIFICATION

(continued)

Ingredients	Literature Referenced	Carcinogen		
	Target Organ and Other Health Effects	NTP	IARC	OSHA
Clay	NUI	NO	NO	NO
Rosin	ACS ALG IRR RES	NO	NO	NO
ISOPROPYL ALCOHOL	ALG CNS IRR	NO	N/A	NO
Vegetable oil	No Data	NO	NO	NO
Bean derivative	No Data	NO	NO	NO
IRON OXIDE	ALG LUN	NO	N/A	NO

Abbreviations

N/A Not Applicable	ACS ACGIH sensitizer
ALG Allergen	CNS Central nervous system
IRR Irritant	LUN Lung
NUI Nuisance dust	RES Respiratory

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

5. FIRE FIGHTING MEASURES

Flash Point:	Does not apply Per ASTM D 4359 this product is a solid.
Recommended extinguishing Agents:	Carbon dioxide, foam, dry chemical
Hazardous Products formed by Fire or Thermal Decomposition:	Aliphatic aldehydes, carboxylic acids, oxides of carbon.
Unusual Fire or Explosion Hazards:	None
Explosive Limits:	
(% by volume in air) Lower	2%
(% by volume in air) Upper	12%

6. ACCIDENTAL RELEASE MEASURES

Steps to be taken in case of spill or leak:	Remove sources of ignition. Maintain adequate ventilation. Scrape up as much as possible and store in a closed container until disposal. Residues may be cleaned up with isopropyl alcohol.
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7. HANDLING AND STORAGE

Safe Storage:	Store away from heat and flame.
(Contact Loctite Customer Service 1-800-243-4874 for shelf Life information)	
Handling:	Avoid prolonged breathing of vapors. Keep away from eyes. Avoid prolonged skin contact.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Eyes:	Safety glasses or goggles.
Skin:	Rubber or plastic gloves.
Ventilation:	Must be adequate to avoid exceeding TLV.

See Section 2 for Exposure Limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Red-Brown Paste
Odor:	Alcoholic
Boiling Point:	180°F
pH:	Does not apply
Solubility in Water:	Partial
Specific Gravity	1.5 at 77°F
Volatile Organic Compound (EPA Method 24)	15.4%; 231 grams per liter
Vapor Pressure:	33 mm at 68°F
Vapor Density:	2.07
Evaporation Rate (Ether = 1)	7.7

10. STABILITY AND REACTIVITY

Stability:	Stable
Hazardous Polymerization:	Will not occur
Incompatibility:	Strong oxidizers
Hazardous Decomposition Products (non-thermal):	None

11. TOXICOLOGICAL INFORMATION

See Section 3.

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

Recommended methods of disposal:	Incinerate following EPA and local regulations.
Hazardous Waste Number	D001 - Hazardous waste per 40CFR 261.21

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

15. REGULATORY INFORMATION

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

Estimated NFPA(R) Code:	
Health Hazard:	2
Fire Hazard:	2
Reactivity Hazard:	0
Specific Hazard:	Does not apply

Estimated HMIS(R) Code:	
Health Hazard:	2
Flammability Hazard:	2
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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1/1

  
