

MATERIAL SAFETY DATA SHEET

SEP 19 1994

I. PRODUCT IDENTIFICATION

Product Name: Form-A-Gasket(R) #2 Sealant
 Item No.: 80011
 Part No.: 2C
 Product Type: Sealant
 Formula No.: Does not apply

II. COMPOSITION

Ingredients	CAS No.	%
Clay	1332-58-7	50-55
Rosin	8050-09-7	15-20
Vegetable oil	68439-93-0	15-20
ISOPROPYL ALCOHOL	67-63-0	10-15
Soybean derivative	8002-43-5	1-3

III. CHEMICAL AND PHYSICAL PROPERTIES

Vapor Pressure: 33 mm at 68°F
 Vapor Density: 2.07
 Solubility in Water: Partial
 Specific Gravity: 1.5 at 77°F
 Boiling Point: 180°F
 Volatile Organic Compound (EPA Method 24): 14.2%; 213 grams per liter
 Evaporation Rate (Ether = 1): 7.7
 pH: Does not apply
 Appearance: Black Paste
 Odor: Alcoholic

IV. FLAMMABILITY AND EXPLOSIVE PROPERTIES

Flash Point: 69°F Method: Tag Closed Cup
 Estimated NFPA Code:
 Health Hazard: 2
 Fire Hazard: 2
 Reactivity Hazard: 0
 Specific Hazard: Does not apply
 Estimated HMIS Code:
 Health Hazard: 2
 Flammability Hazard: 2
 Reactivity Hazard: 0
 Personal Protection: See Section X.
 Explosive Limits:
 (% by volume in air) Lower: 2%
 (% by volume in air) Upper: 12%
 Recommended Extinguishing Agents: Carbon dioxide, foam, dry chemical
 Hazardous Products Formed by Fire or Thermal Decomposition: Irritating organic vapors
 Unusual Fire or Explosion Hazards: None
 Compressed Gases: None
 Pressure at Room Temp.: Does not apply

V. SPILL OR LEAK AND DISPOSAL PROCEDURES

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 with isopropyl alcohol.
 Recommended methods of disposal: Incinerate following EPA and local regulations.

VI. STORAGE AND HANDLING PROCEDURES

Storage: Store away from heat and flame.
 Handling: Avoid prolonged breathing of vapors. Keep away from eyes. Avoid prolonged skin contact.

VII. SHIPPING REGULATIONS

DOT (49 CFR 172)
 Domestic Ground Transport
 Proper Shipping Name: Unrestricted
 Hazard Class or Division: Unrestricted
 Identification Number: None
 Marine Pollutant: None
 IATA

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(continued)

VII. SHIPPING REGULATIONS

Proper Shipping Name: Unrestricted
 Class or Division: Unrestricted
 UN or ID Number: None

VIII. REACTIVITY DATA

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

IX. EMERGENCY TREATMENT PROCEDURES

Ingestion: Induce vomiting. 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.

X. PERSONAL PROTECTION

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

XI. HEALTH HAZARD DATA

Toxicity: Moderately toxic by ingestion. Eye irritant.
 Primary Routes of Entry: Inhalation, ingestion, contact.
 Signs and Symptoms of Exposure: Vapor above TLV is irritating to eyes, nose and
 throat and can cause headache, dizziness, nausea.

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

Exposure Limits (TWA) Ingredients	ACGIH (TLV)	OSHA (PEL)	OTHER
Clay	2 mg/m3 dust	10 mg/m3 dust 5 mg/m3 respir.	None
Vegetable oil	10 mg/m3 mist	15mg/m3mistdust 5mg/m3mist resp	None
ISOPROPYL ALCOHOL	400 ppm TWA 983 mg/m3	400 ppm TWA 980 mg/m3	None
Exposure Limits (STEL) Ingredients	ACGIH (TLV)	OSHA (PEL)	
ISOPROPYL ALCOHOL	500 ppm 1230 mg/m3	500 ppm 1225 mg/m3	

Ingredients for which no Exposure Limits have been established are not listed above.

Ingredients	Literature Referenced Target Organ and Other Health Effects	Carcinogen		
		NTP	IARC	OSHA
Clay	BLO DEV	NO	NO	NO
Rosin	ACS ALG LUN	NO	NO	NO
Vegetable oil	No Data	NO	NO	NO
ISOPROPYL ALCOHOL	GAS IRR NER PNS REP VAS	NO	N/A	NO
Soybean derivative	No Data	NO	NO	NO

Abbreviations

N/A Not Applicable
 ALG Allergen
 DEV Developmental
 IRR Irritant
 NER Nervous System
 REP Reproductive
 ACS ACGIH sensitizer
 BLO Blood
 GAS Gastrointestinal
 LUN Lung
 PNS Peripheral nervous system
 VAS Vascular

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XII. PREPARATION INFORMATION

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