

MATERIAL SAFETY DATA SHEET

7471A1

NO: 889

I. PRODUCT IDENTIFICATION

Product Name: Form-A-Gasket(R) #1 Sealant
 Item No.: 80003
 Part No.: 1C
 Product Type: Sealant

II. COMPOSITION

Ingredients	CAS No.	%
Clay	1332-58-7	50-55
Rosin	8050-09-7	20-25
ISOPROPYL ALCOHOL	67-63-0	10-15
Vegetable oil	68439-93-0	5-10
Soybean derivative	8002-43-5	1-3
IRON OXIDE	1309-37-1	0.1-0.5

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) 15.4%; 231 grams per liter
 Evaporation Rate (Ether = 1) 7.7
 pH: Does not apply
 Appearance: Red-Brown Paste
 Odor: Alcoholic

IV. FLAMMABILITY AND EXPLOSIVE PROPERTIES

Flash Point: 60 °F Method: Tag Closed Cup
 Per ASTM D 4359 this product is a solid.
 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 Decomp: Aliphatic aldehydes, carboxylic acids, oxides of carbon.
 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 up with isopropyl alcohol.
 Recommended methods of disposal: Incinerate following EPA and local regulations.

VI. STORAGE AND HANDLING PROCEDURES

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.

VII. SHIPPING REGULATIONS

DOT (49 CFR 172)
 Domestic Ground Transport
 Proper Shipping Name: Unrestricted

MATERIAL SAFETY DATA SHEET

Product Name: Form-A-Gasket(R) #1 Sealant
Item No.: 80003

VII. SHIPPING REGULATIONS ----- (continued)

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

NO. 889

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: 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.
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
ISOPROPYL ALCOHOL	400 ppm TWA 983 mg/m3	400 ppm TWA 980 mg/m3	None
Vegetable oil	10 mg/m3 mist	15mg/m3 mist/dust	None
IRON OXIDE	5 mg/M3 (Fe)	5mg/m3 mist resp 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	

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	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
Soybean derivative	No Data	NO	NO	NO
IRON OXIDE	ALG LUN	NO	N/A	NO

MATERIAL SAFETY DATA SHEET

Product Name: Form-A-Gasket(R) #1 Sealant
Item No.: 80003

XI. HEALTH HAZARD DATA ----- (continued)

Abbreviations

N/A Not Applicable
ALG Allergen
IRR Irritant
NUI Nuisance dust

ACS ACGIH sensitizer
CNS Central nervous system
LUN Lung
RES Respiratory

NO: 889

XII. PREPARATION INFORMATION

Prepared By: Stephen Repetto
Title: Research Chemist, Environmental Health & Safety
Company: Loctite Corp., 1001 Tr Br Cr, Rocky Hill CT 06067
(24hr.) Phone: (860) 571-5100
Revision Date: January 06, 1995

Revision: 0034