



SAFETY DATA SHEET

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product: SOF-SEAL® Component A **Part Number:** 4020-001
Manufacturer: W. R. MEADOWS OF CANADA **Address:** 70 Hannant Court
Telephone: (905) 878-4122 Milton, ON L9T 5C1
Revision Date: 7/19/2018 In case of emergency, dial (800) 424-9300 (CHEMTREC)
Product Use: Cold-Applied Low Modulus Sealant

SECTION 2: HAZARDS IDENTIFICATION/EXPOSURE LIMITS

HMIS	HAZARD STATEMENTS
Health	WARNING!
Flammability	Causes skin, eye, respiratory irritation.
Reactivity	May cause an allergic skin/respiratory reaction.
Personal Protection	Harmful if inhaled.
	PRECAUTIONARY STATEMENTS
	Avoid direct contact/breathing vapors.
	Wear appropriate personal protective equipment.
	Use only in well-ventilated areas.



SECTION 3: HAZARDS COMPONENTS

Chemical Name:	CAS Number	% by Weight	SARA 313	Vapor Pressure (mm Hg@20°C)	LEL (@25°C)
1. Polymeric Diphenylmethane	9016-87-9	50-60	No	N/A	N/A
2. 4,4'-Diphenylmethane Diisocyanate	101-68-8	35-45	Yes	N/A	N/A
3. 2,4'-Diphenylmethane Diisocyanate	5873-54-1	1-5	No	N/A	N/A

Under the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1966 (SARA) and 40 CFR Part 372, chemicals listed on the 313 List (40 CFR Part 373.65) are identified under the heading "SARA 313." *N/A: Not Applicable*

SECTION 4: EMERGENCY AND FIRST AID PROCEDURES

EYE CONTACT: Flush eyes with water for fifteen minutes. Product may react with moisture from the eye and may be difficult to remove. Seek medical attention.
SKIN CONTACT: Remove contaminated shoes/clothing. Wash affected areas with mild soap and water. If irritation develops/persists, seek medical attention.
INHALATION: Move victim from exposure source and into fresh air. Treat symptomatically. If symptoms persist, seek medical attention.
INGESTION: Do not induce vomiting. Rinse mouth with water. Seek medical attention.
MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND CHRONIC: See Section Eleven for Symptoms/Effects.

SECTION 5: FIRE AND EXPLOSIVES HAZARDS

FLASHPOINT: 196 °C
EXTINGUISHING MEDIA: Dry chemical, carbon dioxide, foam, water spray for large fires.
CHEMICAL/COMBUSTION HAZARDS: Potentially cyanide containing compounds, carbon monoxide, carbon dioxide, and incomplete combustion products.
PRECAUTIONS/PERSONAL PROTECTIVE EQUIPMENT: Do not reseal contaminated containers as pressure build-up may rupture them. Avoid direct contact. Responders should utilize full bunker gear and self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

SPILL OR LEAK PROCEDURES: Evacuate personnel as necessary. Absorb spilled material with sawdust or other absorbent and place in open top containers. Do not make pressure tight. Transport to a well-ventilated area (outdoors) and treat with a neutralizing solution consisting of water and a 3-8% ammonium hydroxide solution or a 5-10% sodium carbonate solution. About ten parts of neutralizer per part of spill while mixing. Allow to stand forty-eight hours allowing evolved carbon dioxide gas to escape.

SECTION 7: HANDLING AND STORAGE

SAFE HANDLING PROCEDURES: Avoid direct contact. Avoid sources of moisture contamination.
SAFE STORAGE: Store in cool, dry location. Keep containers closed when not in use. Store between 10 and 30°C.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Name:	OSHA				ACGIH			SKIN
	PEL	PEL/CEILING	PEL/STEL	SKIN	TWA	TLV/CEILING	TLV/STEL	
1. Polymeric Diphenylmethane	N/E	N/E	N/E	N/E	N/E	N/E	N/E	N/E
2. 4,4'-Diphenylmethane Diisocyanate	0.02 ppm	N/E	N/E	No	0.005 ppm	N/E	N/E	No
3. 2,4'-Diphenylmethane Diisocyanate	N/E	N/E	N/E	N/E	N/E	N/E	N/E	N/E

ENGINEERING CONTROLS: Not required under normal use conditions. *N/E: Not Established*
PERSONAL PROTECTIVE EQUIPMENT: Safety glasses, chemical resistant gloves.

SAFETY DATA SHEET

Date of Preparation: 7/19/18 **Page 2 of 3** **4020-001**

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: 208 °C (Approximate) EVAPORATION RATE: <1 (Ether=1) WEIGHT PER GALLON: 10.33 ODOR: Mild Organic FLASH POINT: See Section 5 VAPOR PRESSURE: N/D PARTITION COEFFICIENT: N/D VISCOSITY: N/D	VAPOR DENSITY: >1 (Air=1) pH LEVEL: Not Applicable PRODUCT APPEARANCE: Brown Liquid ODOR THRESHOLD: N/D FLAMMABILITY: N/D RELATIVE DENSITY: N/D AUTOIGNITION TEMPERATURE: N/D	% VOLATILE BY VOLUME: Not Established % VOLATILE BY WEIGHT: Not Established VOC CONTENT: Not Established MELTING/FREEZING POINT: N/D UEL/LEL: N/D SOLUBILITY: N/D DECOMPOSITION TEMPERATURE: N/D <i>N/D: Not Determined</i>
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SECTION 10: STABILITY/REACTIVITY

STABILITY: Stable. **HAZARDOUS POLYMERIZATION:** May occur.

CONDITIONS AND MATERIALS TO AVOID: Water, amines, strong bases, alcohols, copper alloys.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon dioxide, carbon monoxide, oxides of nitrogen, isocyanate, isocyanic acid, and incomplete combustion products.

SECTION 11: TOXICOLOGICAL INFORMATION

EYE CONTACT: Direct contact causes irritation with reddening, tearing, stinging, and swelling. May cause temporary corneal injury. Vapors/aerosols may cause irritation.

SKIN CONTACT: Direct contact may result in mild to moderate irritation. Prolonged contact may result in skin irritation. Sensitization reactions are possible.

INHALATION: Exposure may produce irritation to the nose, throat, respiratory tract, and mucous membranes. After repeated overexposures or exposure to a single large dose, certain individuals may develop isocyanate sensitization (chemical asthma) that will cause them to react to a later exposure to isocyanate at levels below the TLV. Isocyanate sensitization may be temporary or permanent. Once sensitized, an individual may experience these symptoms upon exposure to dust, cold air, or other irritants. This increased lung sensitivity can persist for weeks and in severe cases for several years. Once an individual is diagnosed as being sensitized to isocyanate, no further exposure can be permitted. Chronic overexposure to isocyanate has also been reported to cause lung damage (including decreased lung function) which may be permanent. Acute overexposure to isocyanate may also lead to bronchitis, bronchial spasm, and pulmonary edema. These effects are usually reversible. Chemical or hypersensitive pneumonitis with flu-like symptoms have also been reported. These symptoms can be delayed up to several hours.

INGESTION: May cause irritation. Symptoms may include abdominal pain, nausea, vomiting, and diarrhea.

SIGNS AND SYMPTOMS: Symptoms of eye irritation include pain, tearing, redness, and swelling. Symptoms of skin irritation include reddening, swelling, rash, and redness. Symptoms of respiratory irritation include runny nose, sore throat, coughing, chest discomfort, shortness of breath, and reduced lung function. Symptoms of gastrointestinal irritation include sore throat, abdominal pain, nausea, vomiting, and diarrhea. Lung sensitization results in asthma-like symptoms: chest tightness, shortness of breath, wheezing, and coughing. These symptoms may be immediate or delayed up to several hours.

AGGRAVATED MEDICAL CONDITIONS: Pre-existing skin, eye, and respiratory disorders may be aggravated by product exposure. Persons with asthmatic-type conditions, chronic bronchitis, or other chronic respiratory diseases, recurrent skin eczema, sensitization, or allergies should be excluded from working with isocyanates.

OTHER HEALTH EFFECTS: None recognized.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY: N/E	DEGRADABILITY: N/E	BIOACCUMULATIVE POTENTIAL: N/E
SOIL MOBILITY: N/E	OTHER ADVERSE EFFECTS: N/E	

SECTION 13: WASTE DISPOSAL INFORMATION

WASTE DISPOSAL INFORMATION: Liquid material should be incinerated as a hazardous waste.

SECTION 14: TRANSPORTATION INFORMATION

HAZARDOUS/NON-HAZARDOUS MATERIAL: Hazardous Material (Limited Quantity)

UN NUMBER: 3082 **HAZARD CLASS:** 9 **PACKING GROUP:** III

UN PROPER SHIPPING NAME: Other Regulated Substances, Liquid, N.O.S. (4,4'-Diphenylmethane Diisocyanate).

ENVIRONMENTAL HAZARDS: None recognized.

BULK TRANSPORTATION INFORMATION: Not applicable. Product not shipped in bulk configuration.

SPECIAL PRECAUTIONS: None.

SECTION 15: REGULATORY INFORMATION

OTHER REGULATORY CONSIDERATIONS: None.

SECTION 16: OTHER INFORMATION

PREPARATION DATE: 7/19/2018
PREPARED BY: Dave Carey

SAFETY DATA SHEET

Date of Preparation: 7/19/18

Page 3 of 3

4020-001

The information contained herein is based on the data available to us and is believed to be correct. However, we make no warranty, expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. We assume no responsibility for injury from the use of this product described herein.
