

## Material Safety Data Sheet

### Section 1: Product Information

<b>Manufacturer's Name / Address:</b>  Versatile Building Products 245 Carl Karcher Way Anaheim, CA 92801 <b>Info. Phone:</b> 714-829-2600 <b>24 Hour Emergency Phone:</b> INFOTRAC – (800)-535-5053	<b>Trade Name:</b>  4920 Polyurea Joint Filler B-Comp. <b>Chemical Family:</b>  MDI Prepolymer <b>Intended Use:</b>  Architectural Joint Filler
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### Section 2: Hazardous Ingredients

<u>Hazardous Component</u>	<u>CAS</u>	<u>% (Optional)</u>
MDI Prepolymer	Not Disclosed	40-60
PMDI	9016-87-9	40-60

**VOC of Component:** 50 g/L      **VOC As Applied:** 50 g/L

### Section 3: Physical Data

<b>Boiling Point (°C):</b> ND <b>Vapor Pressure:</b> ND <b>Vapor Density:</b> Heavier than Air (Air = 1) <b>Solubility in Water:</b> Insoluble <b>Freezing Point</b> ND <b>Coefficient of Oil/Water Distribution:</b> ND <b>Appearance and Odor:</b> Amber and Slightly Musty <b>Odor Threshold:</b> ND	<b>Specific Gravity:</b> 1.070 to 1.100 <b>Melting Point:</b> NE <b>Evaporation Rate:</b> NA (Butyl Acetate = 1) <b>pH:</b> ND
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### Section 4: Fire and Explosion Hazard

<b>Flash Point (°C):</b> <b>Conditions of Flammability:</b> <b>Flammable Limits:</b>	>200 F (closed cup) ND <b>LEL:</b> NE <b>UEL:</b> NE
<b>Autoignition Temperature (°C):</b> <b>Hazardous Combustion Products:</b> <b>Sensitivity to Impact:</b> <b>Sensitivity to Static Discharge:</b> <b>Extinguishing Media:</b> <b>Special Firefighting Procedures:</b>	ND Carbon Monoxide, Oxides of Nitrogen (NOx) None ND Water Spray, Alcohol Foam, CO2, dry sand , dry chemical or limestone Isolate fuel supply from fire. Use water spray to cool fire exposed surfaces and containers. Fire fighters should wear self-contained breathing apparatus in addition to emergency fire fighting protective clothing. Heated tanks may rupture. May generate toxic or irritating combustion products. Hazardous reaction may occur if exposed to oxidizers.
<b>Unusual Fire and Explosion Hazards:</b>	

**Section 5: Health Hazard Data**

**Primary Routes of Entry:** ☒ Eye ☒ Inhalation ☒ Skin Contact ☒ Ingestion

**Overexposure Effects:** Irritation of the skin, eyes and respiratory tract

**Conditions Aggravated by Exposure:** Asthma, chronic respiratory disease, eye disease, skin disorders and allergies.

**Health Hazards (Acute and Chronic Exposures):**

**EYES:** Liquids, vapors, or mists are irritating to the eyes and can cause stinging, burning, lachrymation, or tearing.

**SKIN:** Moderate irritant. Repeated and/or prolonged contact may cause skin sensitization.

**INGESTION:** Ingestion may cause irritation of the gastrointestinal tract and gastrointestinal discomfort with any or all of the following symptoms: nausea, vomiting, lethargy, or diarrhea.

**INHALATION:** Inhalation of vapors or mist at concentrations above the TLV can cause respiratory tract irritation. (nose, throat, lungs) Chronic inhalation can result in sensitization.

**SIGNS AND SYMPTOMS OF OVEREXPOSURE**

**EYES:** Contact may cause moderate irritation consisting of transient redness, swelling, and mucous membrane discharge to the conjunctiva. Prolonged contact with the eyes may cause reversible corneal opacity to occur, with no visual impairment expected.

**SKIN:** Contact may cause minor irritation consisting of transient redness and/or swelling. Individuals with skin sensitization can develop these symptoms from contact with a small amount of liquid or vapors.

**INGESTION:** Ingestion may cause irritation of the gastrointestinal tract and gastrointestinal discomfort with any or all of the following symptoms: nausea, vomiting, lethargy, or diarrhea.

**INHALATION:** Vapors or mist, especially as generated from heating the material or as from exposure in poorly ventilated areas or confined spaces, are irritating and cause nasal discharge, coughing, discomfort in nose and throat, and breathing obstruction. Individuals with respiratory sensitization may experience allergic respiratory reactions when exposed to amounts below the exposure guidelines.

**MEDICAL CONDITIONS AGGRAVATED:** Asthma, other respiratory disorders (bronchitis, emphysema, bronchia hyperreactivity), skin allergies, eczema.

**ROUTES OF ENTRY:** Inhalation, skin contact, eye contact, ingestion.

**SENSITIZATION:** Any individual with isocyanate sensitization should not be exposed to this product. These individuals can react to exposure well below the TLV. Symptoms can occur immediately or several hours after exposure.

**Emergency and First Aid Procedures:**

**General:**

Treat symptomatically. If not breathing, administer artificial respiration. Seek medical assistance as necessary.

**EYES:** Immediately flush eyes with plenty of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention.

**SKIN:** Remove contaminated clothing. Wash affected areas thoroughly with soap and water. Wash clothing thoroughly before reuse. For severe exposure, seek medical attention immediately. For lesser exposure, seek medical attention if swelling or redness occurs, or if irritation persists after being washed.

**INGESTION:** Do not induce vomiting. Never give anything by mouth to a drowsy or unconscious person. If the individual is conscious, rinse mouth with water. Give 1 to 2 cups of water to drink. Seek immediate medical attention.

**INHALATION:** Remove individual from exposure, keep warm and at rest. If dizzy or shows signs of respiratory distress, obtain immediate medical attention. Asthmatic-type symptoms may develop and may be immediate or delayed up to several hours.

**NOTES TO PHYSICIAN:** Symptomatic and supportive therapy as needed. Following severe exposure, medical follow-up should be monitored for at least 48 hours. May cause respiratory sensitization or asthma-like symptoms. Respiratory symptoms, including pulmonary edema, may be delayed.

**Carcinogenic Data:**

**NTP:** No

**OSHA:** No

**IARC:** No

**Toxicological Data:**

Acute Oral Toxicity (LD50,rat) 1000mg/kg (estimated) Acute Dermal Toxicity(LD50,rabbit)>2800mg/kg

**Section 6: Reactivity Data**

**Chemical Stability:** ☒ Stable ☐ Unstable

**Conditions to Avoid:** NA

**mpatibility (Materials to Avoid)** : Oxidizing agents, mineral and organic acids, reactive metals.

**Hazardous Decomposition Products:** Ammonia, aldehydes at elevated temperatures. NOx and carbon monoxide from combustion.

**Hazardous Polymerization (Reactivity):** ☐ May Occur x ☐ Will Not Occur

**Section 7: Spill and Leak Procedures:**

**Steps to be taken in Case of Material Release or Spillage:** Shut off sources of ignition. Equip response crew with protective apparel and equipment as necessary. Stop leak at source. Contain spill and obstruct from entering groundwater and sewers. Collect material by pump, vacuum or absorbent material into disposal container.

**Waste Disposal Methods:** Dispose in accordance with federal, state and local regulation.

**Ecological Information:** ND

**Ecotoxicity:** ND

**Section 8: Special Protection Information**

**Engineering Controls:** Keep exposure to feasible minimum with normal and auxiliary ventilation. Eyewash station and emergency shower should be in close proximity.

**Respiratory Protection:** Not required under normal working conditions with adequate ventilation. Under elevated exposure, a NIOSH approved respirator for organic vapors should be worn.

**Protective Gloves:** Neoprene, butyl rubber or nitrile gloves must be worn.

**Eye Protection:** Splash proof goggles or full-face shield must be worn when handling the material.

**Other protective Equipment:** Impervious protective clothing should be worn to protect all exposed skin.

**Section 9: Handling and Storage**

**General:** Store away from acids and oxidizers. Keep in cool, dry and ventilated storage place, in closed containers.

**Section 10: Supplemental Information****Health:** 3**Flammability:** 2**Reactivity:** 0**DOT Proper Shipping Name:** Resin compound. Not regulated for non-bulk transport.**Hazard Class:** NA**UN Number:** NA**Packing Group:** NA**IMO Shipping Data:** See bill of lading.**ICAO/IATA Shipping Data:** Not regulated.**TSCA (Toxic Substance Control Act) :**

All substances contained in this product are listed in the TSCA inventory list.

**CERCLA (Comprehensive Response Compensation and Liability Act):**

None

**SARA Title III:**

Section 312: Immediate health hazard, Delayed health hazard.

Section 313: None

**California Proposition 65:** Below is a list of compounds known to the State of California to cause cancer, birth defects, or other reproductive harm:

-Methylene Diphenyl Diisocyanate

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