

**Kardol Quality Products**  
285 S. West Street  
Lebanon, Ohio 45036  
513-933-8206 Fax: 513-932-6900

**MATERIAL SAFETY DATA SHEET**  
#173258, 173264, 502274, 502275, 502276, & 502277  
Trade Name: Polyurethane Foam (Resin & Hardener)

**Section 1: Material Identification**

| Chemical Name                  | CAS #       | Weight Percent | Occupational Exposure Limits |           |       | Vapor PI@ Temp<br>MM Hg |
|--------------------------------|-------------|----------------|------------------------------|-----------|-------|-------------------------|
|                                |             |                | OSHA PEL                     | ACGIH TLV | Other |                         |
| Polymeric MDI Foam             | 9016-87-9   | 55.0 %         | N/A                          | N/A       |       |                         |
| Methylene Diphenyldiisocyanate | 101-68-8    | 45.0 %         | N/A                          | N/A       |       |                         |
| Polyol                         | Proprietary | 95.0 %         | N/A                          | N/A       |       |                         |

**Section 2: Physical & Chemical Properties**

|                      |                               |
|----------------------|-------------------------------|
| Boiling Point:       | N/A                           |
| Vapor Density:       | N/A                           |
| Evaporation:         | N/A                           |
| Vapor Pressure:      | N/A                           |
| Specific Gravity:    | N/A                           |
| Appearance & Odor:   | Amber Liquid, Amine mild odor |
| Solubility in Water: | Slightly Soluble              |

**Section 3: Fire & Explosion Hazard Data**

|                        |                                                                                                                             |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Flash Point:           | > 90 ° F                                                                                                                    |
| PH:                    | Basic                                                                                                                       |
| Flammability Limits:   | LEL: 6.4, UEL: 15.1                                                                                                         |
| Extinguisher Media:    | Foam, Carbon Dioxide, Dry Chemical,                                                                                         |
| Special Fire Fighting: | Full protective equipment including self-contained breathing apparatus should be used.                                      |
| Unusual Fire Hazard:   | Never use welding or cutting torch on or near drum (even empty) because products (even just residue) can ignite explosively |

**Section 4: Reactivity Hazard Data**

|                          |                                                |
|--------------------------|------------------------------------------------|
| Stability:               | Stable.                                        |
| Conditions to Avoid:     | Exposure to moisture and temperatures > 80 ° F |
| Avoid:                   | Moisture to protect product quality            |
| Hazardous Decomposition: | Hazardous decomposition products: CO and CO2   |

**Section 5: Health Hazard Data**

**Inhalation Risks and Symptoms of Exposure:** Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: stomach or intestinal upset, irritation, dizziness, headache, ECT.

**Skin and Eye Contact Health Risks and Symptoms:**

**Carcinogenicity:** NTP Carcinogen: IARC Monographs: OSHA Regulated: YES

**Medical Conditions Generally Aggravated by Exposure:**

**EMERGENCY FIRST AID PROCEDURE:**

**Eye Contact:** Irritation. Flush immediately with plenty of water for at least 15 minutes. Seek medical attention.

**Skin Contact:** Irritation. Wash thoroughly with soap and water

**Inhalation:** Irritation to nose and throat. Remove to fresh air if affected by inhalation

**INGESTION:** Swallowing this material may be harmful or fatal. Symptoms may include severe stomach and intestinal irritation, abdominal pain, and vomiting blood. Swallowing this material may cause burns and destroy tissue in the mouth, throat, and digestive tract. Low blood pressure and shock may occur as a result of severe tissue injury. This material can get into the lungs during swallowing or vomiting. This results in lung inflammation and other lung injury. Dilute with water and induce vomiting if swallowed. Get medical attention immediately.

**Section 6: Control and Protective Measures**

**Respiratory Protection:** Approved organic vapor mist respirator as necessary

**Ventilation:** Use local exhaust to control vapors/mists

**Protective Gloves:** Safety Gloves

**Eye Protection:** Safety glasses or goggles

**Other Protective Clothing:** Coveralls, apron, or boots as necessary to prevent skin contact

**Work/Hygienic Practices:**

**Section 7: Precautions for Safe Handling & Use**

**IN CASE OF SPILL:** Absorb liquid on vermiculite, floor absorbent, or other absorbent material and transfer to hood.

**WASTE DISPOSAL:** Dispose of in accordance with local, state, and Federal regulations. Do not discharge into waterways or sewer systems. Incinerate in approved facility.

**Other Precautions:**

| DOT                      | HAZARD INDEX    |
|--------------------------|-----------------|
| Shipping Name:           | Health: 2       |
| Liquid Cleaning Compound | Flammability: 1 |
| N.O.I                    | Reactivity: 1   |

**24 HOUR EMERGENCY NUMBER**  
**1-800-424-9300**

**KEEP OUT OF REACH OF CHILDREN!!!!**