

# VFI-2163 Poly B side

## Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.

Date of issue: 09/23/2020

Revision date: N/A

Version: 1.0

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product name : VFI-2163 Poly B side  
Product code : Not available

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Polyurethane Rubber

#### 1.3. Details of the supplier of the safety data sheet

Volatile Free, Inc.  
19500 Janacek Ct  
Brookfield, WI 53045 - USA  
T (800) 307-9218

#### 1.4. Emergency telephone number

EmergencyTelephone: (outside the U.S.): : 1-703-527-3887 / (U.S. and Canada) 1-800-424-9300  
Association/Organization: CHEMTREC

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### GHS-US classification

Acute Toxicity 4 (Oral)  
Eye Irritation 2A  
Single Target Organ Toxicity - Repeated Exposure 1

#### 2.2. Label elements

##### GHS-US labelling

Hazard pictograms (GHS-US) :



Signal word (GHS-US) : Danger  
Hazard statements (GHS-US) : Harmful if swallowed. Causes serious eye irritation. Causes damage to organs through prolonged or repeated exposure.  
Precautionary statements (GHS-US) : Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection. Do not breathe dust/fume/gas/mist/vapors/spray. If exposed or concerned: Get medical advice/attention. If swallowed: Immediately call a poison center/doctor. Rinse mouth. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Store locked up. Dispose of contents/container in accordance with local/regional/ national/international regulations.

#### 2.3. Other hazards

No additional information available.

#### 2.4. Unknown acute toxicity (GHS-US)

No additional information available.

### SECTION 3: Composition/information on ingredients

#### 3.1. Substance

Not applicable.

#### 3.2. Mixture

| Name                  | Product identifier  | %     | GHS-US classification                             |
|-----------------------|---------------------|-------|---|
| Diethyltoluenediamine | (CAS No) 68479-98-1 | 1 - 5 | Acute Tox. 4 (Oral)<br>Eye Irrit. 2A<br>STOT RE 2 |

\* The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

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### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

- First-aid measures after inhalation : If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical advice/attention if you feel unwell.
- First-aid measures after skin contact : In case of contact, immediately flush skin with plenty of water. Call a physician if irritation develops and persists.
- First-aid measures after eye contact : In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. If irritation persists, get medical attention.
- First-aid measures after ingestion : If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Rinse mouth. Get immediate medical advice/attention.

#### 4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/injuries after inhalation : May cause respiratory tract irritation.
- Symptoms/injuries after skin contact : May cause skin irritation. Symptoms may include redness, edema, drying, defatting and cracking of the skin. Repeated exposure to this material can result in absorption through skin causing significant health hazard.
- Symptoms/injuries after eye contact : Causes serious eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.
- Symptoms/injuries after ingestion : Harmful if swallowed. May cause stomach distress, nausea or vomiting.

#### 4.3. Indication of any immediate medical attention and special treatment needed

Symptoms may not appear immediately. In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

- Suitable extinguishing media : Treat for surrounding material.
- Unsuitable extinguishing media : None known.

#### 5.2. Special hazards arising from the substance or mixture

- Fire hazard : Products of combustion may include, and are not limited to: oxides of carbon.

#### 5.3. Advice for firefighters

- Protection during firefighting : Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

#### 6.2. Methods and material for containment and cleaning up

- For containment : Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).
- Methods for cleaning up : Scoop up material and place in a disposal container. Provide ventilation.

#### 6.3. Reference to other sections

See section 8 for further information on protective clothing and equipment and section 13 for advice on waste disposal.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

- Precautions for safe handling : Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapors/ spray. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke. Use only in a well-ventilated area.
- Hygiene measures : Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking.

#### 7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Keep out of the reach of children. Keep container tightly closed and in a well-ventilated place. Store locked up.

#### 7.3. Specific end use(s)

Not available.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

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| Diethyltoluenediamine (68479-98-1) |                                     |                |
|------------------------------------|-------------------------------------|----------------|
| USA ACGIH                          | ACGIH TWA (mg/m <sup>3</sup> )      | Not available. |
| USA OSHA                           | OSHA PEL (TWA) (mg/m <sup>3</sup> ) | Not available. |

### 8.2. Exposure controls

|                                  |  |
|----------------------------------|--|
| Appropriate engineering controls | : Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.   |
| Personal protective equipment    | : Avoid all unnecessary exposure.  |
| Hand protection                  | : Wear chemically resistant protective gloves.   |
| Eye protection                   | : Wear eye protection.   |
| Skin and body protection         | : Wear suitable protective clothing.   |
| Respiratory protection           | : In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. |
| Environmental exposure controls  | : Maintain levels below Community environmental protection thresholds.   |
| Other information                | : Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. Handle according to established industrial hygiene and safety practices.                                       |

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|  |                          |
|--|--------------------------|
| Physical state                             | : Liquid.                |
| Appearance                                 | : Viscous liquid.        |
| Color                                      | : Various.               |
| Odor                                       | : Slightly sweet.        |
| Odor threshold                             | : No data available.     |
| pH   | : No data available.     |
| Relative evaporation rate (butylacetate=1) | : No data available.     |
| Melting point                              | : No data available.     |
| Freezing point                             | : No data available.     |
| Boiling point                              | : No data available.     |
| Flash point                                | : > 93 °C (> 200 °F)     |
| Auto-ignition temperature                  | : No data available.     |
| Decomposition temperature                  | : No data available.     |
| Flammability (solid, gas)                  | : Not flammable.         |
| Vapor pressure                             | : No data available.     |
| Relative vapor density at 20 °C            | : No data available.     |
| Relative density                           | : 1.04 g/cm <sup>3</sup> |
| Solubility                                 | : No data available.     |
| Log Pow                                    | : No data available.     |
| Log Kow                                    | : No data available.     |
| Viscosity, kinematic                       | : No data available.     |
| Viscosity, dynamic                         | : 3200-4800 cP           |
| Explosive properties                       | : No data available.     |
| Oxidising properties                       | : No data available.     |
| Explosive limits                           | : No data available.     |

### 9.2. Other information

No additional information available.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No dangerous reaction known under conditions of normal use.

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### 10.2. Chemical stability

Stable under normal storage conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

### 10.4. Conditions to avoid

Heat. Incompatible materials.

### 10.5. Incompatible materials

Oxidizers.

### 10.6. Hazardous decomposition products

May include, and are not limited to: oxides of carbon.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Harmful if swallowed.

| VFI-2163 Poly B side |                      |
|----------------------|----------------------|
| LD50 oral rat        | >300 but ≤2000 mg/kg |
| LD50 dermal rabbit   | >2000 mg/kg          |
| LC50 inhalation rat  | No data available.   |

  

| Diethyltoluenediamine (68479-98-1) |             |
|------------------------------------|-------------|
| LD50 oral rat                      | 485 mg/kg   |
| LD50 dermal rabbit                 | >2000 mg/kg |

|  |   |
|--|---|
| Skin corrosion/irritation                          | : Based on available data, the classification criteria are not met.   |
| Serious eye damage/irritation                      | : Causes serious eye irritation.  |
| Respiratory or skin sensitization                  | : Based on available data, the classification criteria are not met.   |
| Germ cell mutagenicity                             | : Based on available data, the classification criteria are not met.   |
| Carcinogenicity                                    | : Based on available data, the classification criteria are not met.   |
| Reproductive toxicity                              | : Based on available data, the classification criteria are not met.   |
| Specific target organ toxicity (single exposure)   | : Based on available data, the classification criteria are not met.   |
| Specific target organ toxicity (repeated exposure) | : Causes damage to organs through prolonged or repeated exposure.   |
| Aspiration hazard                                  | : Based on available data, the classification criteria are not met.   |
| Symptoms/injuries after inhalation                 | : May cause respiratory tract irritation.   |
| Symptoms/injuries after skin contact               | : May cause skin irritation. Symptoms may include redness, edema, drying, defatting and cracking of the skin. Repeated exposure to this material can result in absorption through skin causing significant health hazard. |
| Symptoms/injuries after eye contact                | : Causes serious eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.   |
| Symptoms/injuries after ingestion                  | : Harmful if swallowed. May cause stomach distress, nausea or vomiting.   |

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : May cause long-term adverse effects in the aquatic environment.

### 12.2. Persistence and degradability

| VFI-2163 Poly B side          |                  |
|-------------------------------|------------------|
| Persistence and degradability | Not established. |

### 12.3. Bioaccumulative potential

| VFI-2163 Poly B side      |                  |
|---------------------------|------------------|
| Bioaccumulative potential | Not established. |

### 12.4. Mobility in soil

No additional information available.

### 12.5. Other adverse effects

|                              |  |
|------------------------------|--|
| Effect on ozone layer        | : No additional information available.               |
| Effect on the global warming | : No known ecological damage caused by this product. |

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### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Waste disposal recommendations : This material must be disposed of in accordance with all local, state, provincial, and federal regulations. The generation of waste should be avoided or minimized wherever possible.

### SECTION 14: Transport information

In accordance with DOT

#### 14.1. UN number

Not regulated for transport

#### 14.2. UN proper shipping name

Not applicable.

#### 14.3. Additional information

Other information : No supplementary information available.

Special transport precautions : Do not handle until all safety precautions have been read and understood.

### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory except for:

##### US SARA Section 313

Diethyltoluenediamine (68479-98-1)

#### 15.2. US State regulations

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State or local regulations

This product does not contain chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

### SECTION 16: Other information

Indication of changes : None.

Date of issue : 09/23/2020

Other information : None.

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