

## Material Safety Data Sheet

### Section 1: Product Information

|   |                          |                               |
|---|--------------------------|-------------------------------|
| <b>Manufacturer's Name / Address:</b>                                   | <b>Trade Name:</b>       | 5210 Hybrid Body Coat B-Comp. |
| Versatile Building Products<br>20420 S. Susana Road<br>Carson, CA 90810 | <b>Chemical Family:</b>  | Aliphatic Isocyanate Mixture  |
| <b>Info. Phone:</b><br>310-632-6500                                     | <b>Intended Use:</b>     | Curing agent for polyols.     |
| <b>Emergency Phone:</b><br>Infotrac (800) 535-5053                      |                          |                               |
| <b>Initial Issue Date:</b> 7/2/7  | <b>Revision Date:</b> NA | <b>Prepared By:</b> P. Dalvi  |

### Section 2: Hazardous Ingredients

| <u>Hazardous Component</u>                | <u>OSHA PEL</u> | <u>ACGIH TLV</u> | <u>Other Limits</u>  | <u>% (Optional)</u> |
|---|-----------------|------------------|--|---------------------|
| Homopolymer of Hexamethylene Diisocyanate | NE              | NE               | TWA<br>.5mg/m <sup>3</sup> ,<br>STEL<br>1.0mg/m <sup>3</sup> | 50-70               |
| Hexamethylene Diisocyanate CAS 822-06-0   | NE              | .005ppm TWA      | ND   | <0.1                |
| Exempt solvent mixture                    | NE              | NE               | NE   | 30-50               |

VOC of Component: 0 g/L

VOC As Applied: 0 g/L

### Section 3: Physical Data

|   |         |   |   |
|---|---------|---|---|
| <b>Boiling Point (°C):</b>                    | ND      | <b>Specific Gravity:</b>                        | 1.1-1.15  |
| <b>Vapor Pressure:</b>                        | ND      | <b>Melting Point:</b>                           | NE  |
| <b>Vapor Density:</b><br>(Air = 1)            | >1      | <b>Evaporation Rate:</b><br>(Butyl Acetate = 1) | <1  |
| <b>Solubility in Water:</b>                   | Partial | <b>pH:</b>                                      | ND  |
| <b>Freezing Point</b>                         | ND      |   |   |
| <b>Coefficient of Oil/Water Distribution:</b> |         |   | ND  |
| <b>Appearance and Odor:</b>                   |         |   | Clear to pale yellow liquid w/ fruity solvent odor. |
| <b>Odor Threshold:</b>                        |         |   | ND  |

### Section 4: Fire and Explosion Hazard

|  |  |
|--|--|
| <b>Flash Point (°C):</b>                   | 73   |
| <b>Conditions of Flammability:</b>         | NA   |
| <b>Flammable Limits:</b>                   | LEL: ND UEL: ND  |
| <b>Autoignition Temperature (°C):</b>      | ND   |
| <b>Hazardous Combustion Products:</b>      | Carbon monoxide, carbon dioxide, NOx   |
| <b>Sensitivity to Impact:</b>              | None   |
| <b>Sensitivity to Static Discharge:</b>    | May ignite product.  |
| <b>Extinguishing Media:</b>                | Dry foam, chemical, carbon dioxide, water spray.   |
| <b>Special Firefighting Procedures:</b>    | Use self-contained breathing apparatus and full protective clothing.   |
| <b>Unusual Fire and Explosion Hazards:</b> | HDI vapors and other irritating toxic gases may be generated by combustion. Heated containers may rupture. Cool containers with water spray. |

(NA = Not Applicable) (NE = Not Established) (ND = No Data)  
(NR = Not Required)

**Section 5: Health Hazard Data**

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

**Overexposure Effects:** Dizziness, nausea, headaches, drowsiness, unconsciousness and death.

**Conditions Aggravated by Exposure:** Respiratory tract conditions such as asthma and bronchitis: existing skin dermatitis and rashes may be aggravated by exposure. Pre-existing sensitization to isocyanates.

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

**Inhalation**

Acute:

Irritation and soreness in the respiratory tract. Sore throat, coughing, discomfort, shortness of breath. Headache, dizziness, nausea, narcosis, fatigue and loss of appetite.

Chronic:

Isocyanate sensitization (chemical asthma.) Symptoms are similar to asthma and vary in intensity. Permanent lung damage may occur. Solvent content may lead to damage to the brain and nervous system.

**Skin Contact**

Acute:

Irritation, redness, and pain. Swelling, rash, scaling, and blistering. Skin sensitization may occur. Skin contact may lead to skin dermatitis..

Chronic:

Chronic skin exposure will give effects similar to chronic inhalation. Those with skin sensitization may develop symptoms of exposure by small amounts of skin contact and/or inhalation.

**Skin Absorption**

Acute:

ND

Chronic:

ND

**Eyes**

Acute:

Vapors are irritating to the eye and can cause tearing, reddening, and swelling accompanied by a stinging sensation.

Chronic:

May result in corneal opacity (clouding of the eye surface). Prolonged vapor contact may cause conjunctivitis.

**Ingestion**

Acute:

Irritation of the gastrointestinal tract. Nausea. May be corrosive to the gastrointestinal lining. Vomiting may cause aspiration of the solvent resulting in chemical pneumonitis.

Chronic:

ND

**Emergency and First Aid Procedures:**

**General:**

Treat symptomatically. If not breathing administer artificial respiration.

**Eyes:**

Immediately rinse eyes with a direct stream of water for 15 minutes while holding the eyelids open. Seek medical attention if symptoms persist.

**Skin:**

Immediately wash contaminated skin with abundant water and mild soap. If symptoms persist seek medical advice.

**Inhalation:**

Remove effected person to fresh air. Administer artificial respiration if not breathing and unconscious. Give oxygen if breathing is labored. Seek medical attention. Symptoms may develop in a delayed manner relative to exposure.

**Ingestion:**

DO NOT INDUCE VOMITING. Give 1-2 cups of milk. Seek medical attention immediately.

**Carcinogenic Data:**

NTP: ND

OSHA: ND

IARC: Suspected 2B Carcinogen: Ethylbenzene (traceable impurity from xylene)

**Toxicological Data:**

Based on most toxic component: ORAL LD50(Rat) 10,000 g/KG, Dermal LD50 (Rabbit) 5000 g/KG, LC50 (Rat) 137-1150 ppm

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(NR = Not Required)

**Section 6: Reactivity Data**

**Chemical Stability:**  Stable  Unstable

**Conditions to Avoid:** Excessive heat and cold, moisture.

**Incompatibility (Materials to Avoid) :** Strong oxidizers, concentrated acids, amines, water, and alcohols.

**Hazardous Decomposition Products:** From combustion: Carbon monoxide, carbon dioxide, NOx

**Hazardous Polymerization (Reactivity) :**  Will Not Occur  May Occur – Reacts w/ moisture and heat.

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

**Steps to be Taken in Case of Material Release or Spillage:** Evacuate non-essential personnel. Remove sources of ignition. Ventilate area. Contain spill. Notify proper authorities as necessary. Cover spill with absorbant material. Collect spill in appropriate waste container.

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

**Ecological Information:** Low potential to effect aquatic organisms. Low potential to bioconcentrate.

**Ecotoxicity:** Based on most hazardous component: 96-h LC-50 (fathead minnow) : 9090ug/L

**Section 8: Special Protection Information**

**Engineering Controls:** Ventilation to maintain TWA and STEL exposure limits. Shut off all open sources of ignition.

**Respiratory Protection:** NIOSH approved respirator capable of filtering organic solvents must be worn when handling product.

**Protective Gloves:** Nitrile or butyl rubber gloves must be worn when handling the product. NO Vinyl gloves.

**Eye Protection:** Chemical goggles or face shield must be worn when handling the product.

**Other protective Equipment:** Eye wash station and emergency shower should be in close proximity to areas where product is being handled. Impermeable clothing should be worn. Clean contaminated clothing before reuse.

**Section 9: Handling and Storage**

**General:** Store away from open sources of ignition, excessive heat, excessive cold, oxidizers, strong acids, moisture, amines; store in well ventilated areas.

**Section 10: Supplemental Information****Health:** 2**Flammability:** 2**Reactivity:** 1**DOT Proper Shipping Name:** Non-Regulated**Hazard Class:** Non-Regulated**UN Number:** Non-Regulated**Packing Group:** NA**IMO Shipping Data:** Non-regulated**ICAO/IATA Shipping Data:** (Polyisocyanate/UN 2206/PG II)**TSCA (Toxic Substance Control Act) :**

All components of this product are listed in the TSCA inventory.

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

Reportable quantity : HDI (CAS# 822-06-0)

**SARA Title III:**

Section 311/312 Reactive Hazard.

Section 313 Reportable Ingredients: Hexamethylene Diisocyanate CAS 822-06-0

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

None

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