1 Identification

1.1 Product Identifier

Product Name: PolyTop 5050 B Countertop PolyUrea

1.2 Application of the substance / the preparation:
Architectural Coating

1.3 Details of the supplier of the safety data sheet
Manufacturer/Supplier:
Versatile Building Products
245 Carl Karcher Way
Anaheim, Ca 92801
U.S.A.

Information department
Health and Safety (8 AM to 5 PM-PST) 1-714-829-2600
MSDS@garagecoatings.com

1.4 Emergency telephone number:
Infotrac: (800) 535-5053 (North America)
(352) 323-3500 (International)

2 Hazard(s) identification

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

<table>
<thead>
<tr>
<th>Hazard</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin Sensitization</td>
<td>Category 1</td>
</tr>
<tr>
<td>Flammable liquids</td>
<td>Category 3</td>
</tr>
<tr>
<td>Respiratory Sensitization</td>
<td>Category 1</td>
</tr>
<tr>
<td>Eye irritation</td>
<td>Category 2</td>
</tr>
<tr>
<td>Acute Toxicity</td>
<td>Category 4</td>
</tr>
<tr>
<td>STOT SE: May cause respiratory irritation</td>
<td>Category 3</td>
</tr>
</tbody>
</table>

2.2 GHS Label Elements, including precautionary statements

Pictogram
Signal Word: Warning
Appearance: Clear Viscous Liquid  Physical State: Liquid  Odor: Solvent

Hazard statements
Harmful if inhaled
May cause allergy or asthma symptoms or breathing difficulties if inhaled
May cause an allergic skin reaction
May cause respiratory irritation

**Precautionary statement(s) - Prevention**
Avoid breathing dust/fume/gas/mist/vapours/spray
Wash hands thoroughly after handling
Wear protective gloves/protective clothing/eye protection/face protection

**Precautionary statement(s) - Response**
IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a POISON CENTER or doctor/physician.
Call a POISON CENTER or doctor/physician if you feel unwell.
If skin irritation or rash occurs: Get medical advice/attention.
Take off contaminated clothing and wash before reuse.
Wash contaminated clothing before reuse.
In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.
Collect spillage.

**Precautionary statement(s) - Storage**
Store in a well-ventilated place. Keep container tightly closed.
Store in a well-ventilated place. Keep cool.

**Precautionary statement(s) - Disposal**
Disposal of contents/container to be specified in accordance with regulations.

**2.3 Hazards not otherwise classified (HNOC) or not covered by GHS –**
Combustible
Severe eye irritant
Severe respiratory irritant
May cause sensitization by skin contact

### 3 Composition/Information on ingredients

#### 3.1 Mixtures

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS Number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hexamethylene diisocyanate oligomers, Isocyanurate</td>
<td>28182-81-2</td>
<td>50-60</td>
</tr>
<tr>
<td>4-Chloro-α,α,α-trifluorotoluene</td>
<td>98-56-6</td>
<td>40-50</td>
</tr>
<tr>
<td>Hexamethylene-di-isocyanate</td>
<td>822-06-0</td>
<td>&lt;0.5</td>
</tr>
</tbody>
</table>
4 First-aid measures

4.1 Description of first aid measures

General advice
Seek medical advice. If breathing has stopped or is labored, give assisted respirations. Supplemental oxygen may be indicated. If the heart has stopped, trained personnel should begin cardiopulmonary resuscitation immediately.

After inhalation:
If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

After skin contact:
Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.

After eye contact:
Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Continue rinsing eyes during transport to hospital.

After swallowing:
Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms/effects, acute and delayed:
Repeated and/or prolonged exposure to low concentrations of vapors and/or aerosols may cause: Sore throat, eye disease, skin disorders, allergies, asthma, and neurological disorders.

4.3 Indication of immediate medical attention and special treatment needed

5 Firefighting Measures

5.1 Extinguishing media

Suitable extinguishing media
Foam, Powders, Carbon dioxide

5.2 Special hazards arising from the substance or mixture

5.3 Advice for firefighters
Wear self-contained breathing apparatus for firefighting if necessary.

5.4 Further information
Do not allow run-off from firefighting to enter drains or water courses. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
7 Handling and storage

7.1 Precautions for safe handling
Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Keep away from sources of ignition - No smoking. Take measures to prevent the buildup of electrostatic charge. For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities
Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

7.3 Specific end use(s)
Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

8 Exposure controls/personal protection

8.1 Control parameters

<table>
<thead>
<tr>
<th>Components with workplace control parameters</th>
<th>Threshold Limit Value: ACGIH</th>
<th>Threshold Limit Value: National Institute for Occupational Safety and Health</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hexamethylene –di-isocyanate CAS: 822-06-0</td>
<td>0.005 ppm</td>
<td></td>
</tr>
</tbody>
</table>

8.2 Exposure controls
Appropriate engineering controls
Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection
Tightly fitting safety goggles. Faceshield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
Skin protection
Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Body Protection
Impervious clothing, Flame retardant antistatic protective clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection
Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls.
If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure
Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

9 Physical and Chemical Properties
9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>a) Appearance</td>
<td>Form: Clear, viscous liquid</td>
</tr>
<tr>
<td></td>
<td>Colour: Colorless</td>
</tr>
<tr>
<td>b) Odour</td>
<td>Solvent</td>
</tr>
<tr>
<td>c) Odour Threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>d) pH</td>
<td>No data available</td>
</tr>
<tr>
<td>e) Melting point/freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>f) Initial boiling point and boiling range</td>
<td>No data available</td>
</tr>
<tr>
<td>g) Flash point</td>
<td>136 °F (58 °C) - closed cup</td>
</tr>
<tr>
<td>h) Evaporation rate</td>
<td>No data available</td>
</tr>
<tr>
<td>i) Flammability (solid/gas)</td>
<td>no data available</td>
</tr>
<tr>
<td>j) Upper/lower flammability or explosive limits</td>
<td>no data available</td>
</tr>
<tr>
<td>k) Vapour pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>l) Vapour density</td>
<td>No data available</td>
</tr>
<tr>
<td>m) Relative density</td>
<td>1.208 g/cm3 at 25°C (77°F)</td>
</tr>
<tr>
<td>n) Water solubility</td>
<td>&lt;0.1 g/L</td>
</tr>
<tr>
<td>o) Partition coefficient: n-octanol/water</td>
<td>no data available</td>
</tr>
</tbody>
</table>
9.2 Other safety information

No data available

10 Stability and reactivity

10.1 Control parameters

No data available

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

Heat, flames, sparks, and oxidizing agents.

10.5 Incompatible materials

Reactive metals (Sodium, Calcium, Zinc, etc.)
Materials reactive with hydroxyl compounds
Organic acids (acetic acid, citric acid, etc.)
Mineral acids
Sodium hypochlorite
Product slowly corrodes copper, aluminum, zinc, and galvanized surfaces.
Reaction with peroxides may result in violent decomposition of peroxide possibly creating an explosion
Oxidizing agents

10.6 Hazardous decomposition products

Nitric acid
Ammonia
Nitrogen oxides (NOx)
Nitrogen oxide can react with water vapors to form corrosive nitric acid
Carbon monoxide
Carbon dioxide (CO2)
Aldehydes
Flammable hydrocarbon fragments
In the event of fire: see section 5

11 Toxicological Information

11.1 Information on likely routes of exposure

Effects on Eye: Causes eye irritation
Effects on Skin: Causes skin irritation
Inhalation Effects  No data available
Ingestion Effects  No data available

11.2 Information on physical, chemical and toxicological effects
Symptoms  Causes eye irritation. Causes skin irritation. Stomach ache, nausea, vomiting, dullness, vision disorder, and blindness.

11.3 Delayed and immediate effects as well as chronic effects from short and long-term exposure
Sensitization  Skin sensitizer
Germ cell mutagenicity  No data available
Carcinogenicity  No data available
Reproductive toxicity  No data available
STOT – Single exposure  No data available
STOT – Repeated exposure  No data available

11.4 Numerical measures of toxicity – Product
Not determined

Additional Information
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

12 Ecological information

12.1 Aquatic Toxicity
No data available

12.2 Persistence and degradability
No data available

12.3 Bioaccumulative potential
No data available

12.4 Mobility in soil
No data available

12.5 Results of PBT and vPvB assessment
PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

12.6 Other adverse effects
An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Very toxic to aquatic life with long lasting effects.
13 Disposal considerations

13.1 Waste treatment methods

Product
Contact supplier if guidance is required.

Contaminated packaging
Dispose of container and unused contents in accordance with federal, state, and local requirements.

14 Transport information

Product exhibits a flashpoint of 136 °F. However, this product is non-regulated material under Hazardous Material and the IMDG Code because it does not sustain combustion.

DOT (US)
Not Dangerous Goods

IMDG
Not Dangerous Goods

IATA
Not Dangerous Goods

15 Regulatory information

United States Regulatory Information

TSCA 8 (b) Inventory Status
All Components are listed or exempt from listing on the Toxic Substances Control Act Inventory.

TSCA 12 (b) Export Notification
None above reporting de minimus

SARA 302 Components
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components
SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards
Acute health hazard Yes
Chronic health hazard No
Fire hazard No
Sudden release of pressure hazard No
Reactive hazard No
California Prop. 65 Components
This product may contain chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Canada Regulatory Information
CEPA DSL/NDSL Status:
All components are listed on or are exempt from listing on the Domestic Substances List.

16 Other information

Issue Date: 11-Nov-2014
Revision Date: 06-Apr-2015
Revision Note: Update Information

HMIS Rating
Health Hazard: 2
Flammability: 2
Physical Hazard: 0

NFPA Rating
Health Hazard: 2
Fire Hazard: 2
Reactivity Hazard: 0

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