

Issue Date: 11/13/14

Version: 1.3

Revision Date: 04/06/15

Trade Name: PolyTop 5050 B Countertop PolyUrea

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)

Skin Sensitization	Category 1
Flammable liquids	Category 3
Respiratory Sensitization	Category 1
Eye irritation	Category 2
Acute Toxicity	Category 4
STOT SE: May cause respiratory irritation	Category 3

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

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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

Chemical Name	CAS Number	%
Hexamethylene diisocyanate oligomers, Isocyanurate	28182-81-2	50-60
4-Chloro- α,α,α -trifluorotoluene	98-56-6	40-50
Hexamethylene-di-isocyanate	822-06-0	<0.5

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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

Incomplete combustion may form carbon monoxide. May generate ammonia gas. May generate toxic nitrogen oxide gases. Burning produces noxious and toxic fumes. Downwind personnel must be evacuated.

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**

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Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas. For personal protection see section 8.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

6.3 Methods and materials for containment and cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For disposal see section 13.

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
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8.1 Control parameters

Components with workplace control parameters

Hexamethylene –di-isocyanate CAS: 822-06-0	Threshold Limit Value: ACGIH	0.005 ppm
Hexamethylene –di-isocyanate CAS: 822-06-0	National Institute for Occupational Safety and Health	

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).

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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
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a) Appearance	Form: Clear, viscous liquid Colour: Colorless
b) Odour	Solvent
c) Odour Threshold	No data available
d) pH	No data available
e) Melting point/freezing point	No data available
f) Initial boiling point and boiling range	No data available
g) Flash point	136 °F (58 °C) - closed cup
h) Evaporation rate	no data available
i) Flammability (solid/gas)	no data available
j) Upper/lower flammability or explosive limits	no data available
k) Vapour pressure	No data available
l) Vapour density	No data available
m) Relative density	1.208 g/cm ³ at 25°C (77°F)
n) Water solubility	<0.1 g/L
o) Partition coefficient: n-octanol/water	no data available

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p) Auto-ignition temperature	no data available
q) Decomposition temperature	no data available
r) Viscosity	50-150 CPS 25°C (77°F)
s) Explosive properties	no data available
t) Oxidizing properties	no data available
u) VOC, g/L	0 g/L

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 (NO_x)

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

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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.

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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

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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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