Poly-Set HD Component B
Safety Data Sheet
According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations
Revision Date: 04/20/2016 Date of issue: 03/14/2016 Supersedes Date: 07/01/2011 Version: 1.2

SECTION 1: IDENTIFICATION

1.1. Product Identifier
Product Form: Mixture
Product Name: Poly-Set HD Component B

1.2. Intended Use of the Product
Use of the substance/mixture: No use is specified.

1.3. Name, Address, and Telephone of the Responsible Party
Company
Forward Enterprises Inc
8720 Tavenor Lane
Houston, Texas 77075
Customer Service: (800) 367-9273

1.4. Emergency Telephone Number
Emergency Number: CHEMTREC (800) 424-9300

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture
GHS-US classification
Not classified

2.2. Label Elements
GHS-US Labeling
No labeling applicable

2.3. Other Hazards
Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

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

<table>
<thead>
<tr>
<th>Name</th>
<th>Product Identifier (CAS No)</th>
<th>GHS-US classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-hydro-.omega.-hydroxy-, ether with .beta.-D-fructofuranosyl .alpha.-D-glucopyranoside</td>
<td>9049-71-2</td>
<td>Not classified</td>
</tr>
<tr>
<td>Poly[oxy(methyl-1,2-ethanediyl)], .alpha.,.alpha.',.alpha.''-(nitrilotri-2,1-ethanediyl)tris[.omega.-hydroxy-]</td>
<td>37208-53-0</td>
<td>Not classified</td>
</tr>
<tr>
<td>Glycerol polypropylene glycol triether</td>
<td>25791-96-2</td>
<td>Not classified</td>
</tr>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>Not classified</td>
</tr>
<tr>
<td>Siloxanes and Silicones, dimethyl, 3-hydroxypropyl methyl, [[[3-hydroxypropyl]dimethylsilyl]oxy]-terminated, ethers with polyethylene-polypropylene glycol monomethyl ether</td>
<td>135108-84-8</td>
<td>Not classified</td>
</tr>
<tr>
<td>N,N-Dimethylcyclohexylamine</td>
<td>98-94-2</td>
<td>Flam. Liq. 3, Acute Tox. 3 (Oral), Acute Tox. 3 (Dermal), Acute Tox. 3 (Inhalation), Skin Corr. 1B, Eye Dam. 1</td>
</tr>
</tbody>
</table>

The specific chemical identity and/or exact percentage of composition have been withheld as a trade secret [29 CFR 1910.1200]. Full text of H-phrases: see section 16.
SECTION 4: FIRST AID MEASURES

4.1. Description of First Aid Measures
First-aid Measures General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid Measures After Inhalation: When symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.
First-aid Measures After Skin Contact: Remove contaminated clothing. Rinse affected area with water for at least 5 minutes. Call a POISON CENTER or doctor/physician if you feel unwell.
First-aid Measures After Eye Contact: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.
First-aid Measures After Ingestion: Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

4.2. Most important symptoms and effects, both acute and delayed
Symptoms/Injuries: Not expected to present a significant hazard under anticipated conditions of normal use.
Symptoms/Injuries After Inhalation: Prolonged exposure may cause irritation.
Symptoms/Injuries After Skin Contact: Prolonged exposure may cause skin irritation.
Symptoms/Injuries After Eye Contact: May cause slight irritation to eyes.
Symptoms/Injuries After Ingestion: Ingestion may cause adverse effects.
Chronic Symptoms: None expected under normal conditions of use.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed
If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing Media
Suitable Extinguishing Media: Water spray, dry chemical, alcohol-resistant foam, carbon dioxide.
Unsuitable Extinguishing Media: Do not use a heavy water stream. Use of heavy stream of water may spread fire.

5.2. Special Hazards Arising From the Substance or Mixture
Fire Hazard: Not considered flammable but may burn at high temperatures.
Explosion Hazard: Product is not explosive.
Reactivity: Hazardous reactions will not occur under normal conditions.

5.3. Advice for Firefighters
Precautionary Measures Fire: Exercise caution when fighting any chemical fire.
Firefighting Instructions: Use water spray or fog for cooling exposed containers.
Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures
General Measures: Avoid prolonged contact with eyes, skin and clothing. Avoid breathing (vapor, mist, spray).

6.1.1. For Non-emergency Personnel
Protective Equipment: Use appropriate personal protection equipment (PPE).

6.1.2. For Emergency Responders
Protective Equipment: Equip cleanup crew with proper protection.
Emergency Procedures: Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.

6.2. Environmental Precautions
Prevent entry to sewers and public waters.

6.3. Methods and Material for Containment and Cleaning Up
For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
Methods for Cleaning Up: Clean up spills immediately and dispose of waste safely. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

6.4. Reference to Other Sections
See Heading 8. Exposure controls and personal protection. See Section 13, Disposal Considerations.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling
Precautions for Safe Handling: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Avoid prolonged contact with eyes, skin and clothing. Avoid breathing vapors, mist, spray.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures.
Poly-Set HD Component B
Safety Data Sheet
According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Comply with applicable regulations.
Storage Conditions: Keep container closed when not in use. Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.
Incompatible Products: Strong acids, strong bases, strong oxidizers.

7.3. Specific End Use(s)
No use is specified.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters
For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), NIOSH (REL), or OSHA (PEL).

8.2. Exposure Controls

Appropriate Engineering Controls: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.


Materials for Protective Clothing: Chemically resistant materials and fabrics.

Hand Protection: Wear protective gloves.

Eye Protection: Chemical goggles or safety glasses.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.

Other Information: When using, do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Physical State: Liquid

Appearance: No data available

Odor: Ammoniacal

Odor Threshold: No data available

pH: No data available

Evaporation Rate: No data available

Melting Point: No data available

Freezing Point: No data available

Boiling Point: > 200 °F (93.3 °C)

Auto-ignition Temperature: No data available

Decomposition Temperature: No data available

Flammability (solid, gas): No data available

Vapor Pressure: No data available

Relative Vapor Density at 20 °C: No data available

Specific Gravity: 1.08

Solubility: Water: Soluble

Partition Coefficient: N-Octanol/Water: No data available

Viscosity: No data available
Poly-Set HD Component B

Safety Data Sheet
According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

9.2. Other Information No additional information available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity: Hazardous reactions will not occur under normal conditions.
10.2. Chemical Stability: Stable under recommended handling and storage conditions (see section 7).
10.3. Possibility of Hazardous Reactions: Hazardous polymerization will not occur.
10.4. Conditions to Avoid: Direct sunlight, extremely high or low temperatures, and incompatible materials.
10.5. Incompatible Materials: Strong acids, strong bases, strong oxidizers.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information On Toxicological Effects

Acute Toxicity: Not classified

Glyceryl polypropylene glycol triether (25791-96-2)

LD₅₀ Oral Rat > 64 ml/kg
LD₅₀ Dermal Rabbit > 20 ml/kg

N,N-Dimethylcyclohexylamine (98-94-2)

LD₅₀ Oral Rat 272 mg/kg
ATE (Dermal) 300.00 mg/kg body weight
ATE (Gases) 700.00 ppmV/4h
ATE (Vapors) 3.00 mg/l/4h
ATE (Dust/Mist) 0.50 mg/l/4h

Skin Corrosion/Irritation: Not classified
Serious Eye Damage/Irritation: Not classified
Respiratory or Skin Sensitization: Not classified
Germ Cell Mutagenicity: Not classified
Carcinogenicity: Not classified
Reproductive Toxicity: Not classified
Specific Target Organ Toxicity (Single Exposure): Not classified
Specific Target Organ Toxicity (Repeated Exposure): Not classified
Aspiration Hazard: Not classified
Symptoms/Injuries After Inhalation: Prolonged exposure may cause irritation.
Symptoms/Injuries After Skin Contact: Prolonged exposure may cause skin irritation.
Symptoms/Injuries After Eye Contact: May cause slight irritation to eyes.
Symptoms/Injuries After Ingestion: Ingestion may cause adverse effects.
Chronic Symptoms: None expected under normal conditions of use.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity
Ecology - General : Not classified.

N,N-Dimethylcyclohexylamine (98-94-2)
EC₅₀ Daphnia 1 75 mg/l (Exposure time: 48 h - Species: Daphnia magna Straus)

12.2. Persistence and Degradability

Poly-Set HD Component B
Persistence and Degradability Not established.

12.3. Bioaccumulative Potential

Poly-Set HD Component B
Bioaccumulative Potential Not established.

N,N-Dimethylcyclohexylamine (98-94-2)
Log Pow 2.01 (at 25 °C)

12.4. Mobility in Soil No additional information available.

12.5. Other Adverse Effects
Other Information : Avoid release to the environment.
SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste Disposal Recommendations: Dispose of contents/container in accordance with local, regional, national, and international regulations.

Additional Information: Container may remain hazardous when empty. Continue to observe all precautions.


SECTION 14: TRANSPORT INFORMATION

14.1. In Accordance with DOT Not regulated for transport.
14.2. In Accordance with IMDG Not regulated for transport.
14.3. In Accordance with IATA Not regulated for transport.

SECTION 15: REGULATORY INFORMATION

15.1 US Federal Regulations

Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-hydro-.omega.-hydroxy-, ether with .beta.-D-fructofuranosyl .alpha.-D-glucopyranoside (9049-71-2)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

Glyceryl polypropylene glycol triether (25791-96-2)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

Poly[oxy(methyl-1,2-ethanediyl)], .alpha.,.alpha.,.alpha.'-(nitrilotri-2,1-ethanediyl)tris[.omega.-hydroxy- (37208-53-0)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

Siloxanes and Silicones, dimethyl, 3-hydroxypropyl methyl, [[[3-hydroxypropyl]dimethylsilyl]oxy]-terminated, ethers with polyethylene-polypropylene glycol monomethyl ether (135108-84-8)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

N,N-Dimethylcyclohexylamine (98-94-2)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

Water (7732-18-5)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2 US State Regulations

N,N-Dimethylcyclohexylamine (98-94-2)
U.S. - New Jersey - Right to Know Hazardous Substance List

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Revision Date: 04/20/2016
Other Information: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

GHS Full Text Phrases:

| Acute Tox. 3 (Dermal) | Acute toxicity (dermal) Category 3 |
| Acute Tox. 3 (Inhalation) | Acute toxicity (inhalation) Category 3 |
| Acute Tox. 3 (Oral) | Acute toxicity (oral) Category 3 |
| Eye Dam. 1 | Serious eye damage/eye irritation Category 1 |
| Flam. Liq. 3 | Flammable liquids Category 3 |
| Skin Corr. 1B | Skin corrosion/irritation Category 1B |

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

SDS US (GHS HazCom)