

# Poly-Ground Component B

## Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations

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Version: 1.0

### SECTION 1: IDENTIFICATION

#### 1.1. Product Identifier

**Product Form:** Mixture

**Product Name:** Poly-Ground 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

Skin Irrit. 2

Eye Irrit. 2A

Carc. 2

Full text of hazard classes and H-statements : see section 16

#### 2.2. Label Elements

##### GHS-US Labelling

##### Hazard Pictograms (GHS-US)



##### Signal Word (GHS-US)

: Warning

##### Hazard Statements (GHS-US)

: Causes skin irritation. Causes serious eye irritation. Suspected of causing cancer.

##### Precautionary Statements (GHS-US)

: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wash hands, forearms, and other exposed areas thoroughly after handling. Wear protective gloves, protective clothing, and eye protection. If on skin: Wash with plenty of water. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If exposed or concerned: Get medical advice/attention. Specific treatment (see section 4 on this SDS). If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. Store locked up. Dispose of contents/container in accordance with local, regional, national, and international regulations.

#### 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

Name	Product Identifier	GHS-US classification
Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-hydro-.omega.-hydroxy-, ether with .beta.-D-fructofuranosyl .alpha.-D-glucopyranoside	(CAS No) 9049-71-2	Not classified

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Poly[oxy(methyl-1,2-ethanediyl)], .alpha.,.alpha.',.alpha."-(nitrilotri-2,1-ethanediyl)tris[.omega.-hydroxy-	(CAS No) 37208-53-0	Not classified
Solvent naphtha, petroleum, heavy aromatic	(CAS No) 64742-94-5	Flam. Liq. 4 STOT SE 3 Asp. Tox. 1
Siloxanes and Silicones, dimethyl, 3-hydroxypropyl methyl, [[[3-hydroxypropyl)dimethylsilyl]oxy]-terminated, ethers with polyethylene-polypropylene glycol monomethyl ether	(CAS No) 135108-84-8	Not classified
Water	(CAS No) 7732-18-5	Not classified
Naphthalene	(CAS No) 91-20-3	Flam. Sol. 2 Acute Tox. 4 (Oral) Carc. 2
2,4,6-Tri(dimethylaminomethyl)phenol	(CAS No) 90-72-2	Skin Corr. 1C Eye Dam. 1 Skin Sens. 1B
N,N-Dimethylcyclohexylamine	(CAS No) 98-94-2	Flam. Liq. 3 Acute Tox. 3 (Oral) Acute Tox. 3 (Dermal) Acute Tox. 3 (Inhalation) Skin Corr. 1B Eye Dam. 1
Benzene, 1,2,4-trimethyl-	(CAS No) 95-63-6	Flam. Liq. 3 Acute Tox. 4 (Inhalation:vapor) Skin Irrit. 2 Eye Irrit. 2A STOT SE 3 Asp. Tox. 1

The specific chemical identity and/or exact percentage of composition has been withheld as a trade secret within the meaning of the OSHA Hazard Communication Standard [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 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. Drench affected area with water for at least 15 minutes. Obtain medical attention if irritation develops or persists.

**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:** Causes serious eye irritation. Causes skin irritation. There are potential chronic health effects to consider.

**Symptoms/Injuries After Inhalation:** Prolonged exposure may cause irritation.

**Symptoms/Injuries After Skin Contact:** Redness, pain, swelling, itching, burning, dryness, and dermatitis.

**Symptoms/Injuries After Eye Contact:** Contact causes severe irritation with redness and swelling of the conjunctiva.

**Symptoms/Injuries After Ingestion:** Ingestion may cause adverse effects.

**Chronic Symptoms:** Suspected of causing cancer.

### 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.

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## 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.

**Other Information:** Do not allow run-off from fire fighting to enter drains or water courses.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal Precautions, Protective Equipment and Emergency Procedures

**General Measures:** Avoid breathing (vapor, mist, spray). Avoid all contact with skin, eyes, or clothing.

#### 6.1.1. For Non-emergency Personnel

**Protective Equipment:** Use appropriate personal protection equipment (PPE).

**Emergency Procedures:** Evacuate unnecessary personnel.

#### 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. Avoid release to the environment.

### 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 breathing vapors, mist, spray. Avoid contact with skin, eyes and clothing.

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety procedures.

### 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).

Benzene, 1,2,4-trimethyl- (95-63-6)		
USA NIOSH	NIOSH REL (TWA) (mg/m <sup>3</sup> )	125 mg/m <sup>3</sup>
USA NIOSH	NIOSH REL (TWA) (ppm)	25 ppm
Naphthalene (91-20-3)		
USA ACGIH	ACGIH TWA (ppm)	10 ppm
USA ACGIH	ACGIH chemical category	Skin - potential significant contribution to overall exposure by the cutaneous route, Confirmed Animal Carcinogen with Unknown Relevance to Humans
USA ACGIH	Biological Exposure Indices (BEI)	(Time: end of shift - Parameter: 1-Naphthol with hydrolysis plus 2-Naphthol with hydrolysis (nonquantitative, nonspecific)
USA NIOSH	NIOSH REL (TWA) (mg/m <sup>3</sup> )	50 mg/m <sup>3</sup>

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<b>USA NIOSH</b>	NIOSH REL (TWA) (ppm)	10 ppm
<b>USA NIOSH</b>	NIOSH REL (STEL) (mg/m <sup>3</sup> )	75 mg/m <sup>3</sup>
<b>USA NIOSH</b>	NIOSH REL (STEL) (ppm)	15 ppm
<b>USA IDLH</b>	US IDLH (ppm)	250 ppm
<b>USA OSHA</b>	OSHA PEL (TWA) (mg/m <sup>3</sup> )	50 mg/m <sup>3</sup>
<b>USA OSHA</b>	OSHA PEL (TWA) (ppm)	10 ppm

### 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.

#### Personal Protective Equipment

: Gloves. Protective clothing. Protective goggles.



#### Materials for Protective Clothing

: Chemically resistant materials and fabrics.

#### Hand Protection

: Wear protective gloves.

#### Eye Protection

: Chemical safety goggles.

#### 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

: No data available

#### Odor Threshold

: No data available

#### pH

: 9.8

#### Evaporation Rate

: < 1 (butyl acetate = 1)

#### Melting Point

: No data available

#### Freezing Point

: No data available

#### Boiling Point

: 275 - 410 °F (135 - 210 °C)

#### Flash Point

: > 298 °F (148 °C) Pensky-Martin CC

#### Auto-ignition Temperature

: No data available

#### Decomposition Temperature

: No data available

#### Flammability (solid, gas)

: No data available

#### Vapor Pressure

: < 1 mm Hg

#### Relative Vapor Density at 20 °C

: > 1 (air = 1)

#### Specific Gravity

: 1.1

#### Solubility

: No data available

#### Partition Coefficient: N-Octanol/Water

: No data available

#### Viscosity

: No data available

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**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.
- 10.6. Hazardous Decomposition Products:** Thermal decomposition generates: Carbon oxides (CO, CO<sub>2</sub>). Nitrogen oxides.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on Toxicological Effects

**Acute Toxicity:** Not classified

<b>N,N-Dimethylcyclohexylamine (98-94-2)</b>	
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
<b>2,4,6-Tri(dimethylaminomethyl)phenol (90-72-2)</b>	
LD50 Oral Rat	1200 mg/kg
LD50 Dermal Rat	1280 mg/kg
<b>Solvent naphtha, petroleum, heavy aromatic (64742-94-5)</b>	
LD50 Oral Rat	> 5000 mg/kg
LD50 Dermal Rabbit	> 2 ml/kg
LC50 Inhalation Rat	> 590 mg/m <sup>3</sup> (Exposure time: 4 h)
<b>Benzene, 1,2,4-trimethyl- (95-63-6)</b>	
LD50 Oral Rat	6000 mg/kg
LD50 Dermal Rabbit	> 3160 mg/kg
LC50 Inhalation Rat	18 g/m <sup>3</sup> (Exposure time: 4 h)
LC50 Inhalation Rat	10.8 mg/l/4h
<b>Naphthalene (91-20-3)</b>	
LD50 Oral Rat	533 - 710 mg/kg
LC50 Inhalation Rat	> 340 mg/m <sup>3</sup> (Exposure time: 1 h)

**Skin Corrosion/Irritation:** Causes skin irritation. (pH: 9.8)

**Serious Eye Damage/Irritation:** Causes serious eye irritation. (pH: 9.8)

**Respiratory or Skin Sensitization:** Not classified

**Germ Cell Mutagenicity:** Not classified

**Carcinogenicity:** Suspected of causing cancer.

<b>Naphthalene (91-20-3)</b>	
IARC group	2B
National Toxicology Program (NTP) Status	Evidence of Carcinogenicity, Reasonably anticipated to be Human Carcinogen.
OSHA Hazard Communication Carcinogen List	In OSHA Hazard Communication Carcinogen list.

**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:** Redness, pain, swelling, itching, burning, dryness, and dermatitis.

**Symptoms/Injuries After Eye Contact:** Contact causes severe irritation with redness and swelling of the conjunctiva.

**Symptoms/Injuries After Ingestion:** Ingestion may cause adverse effects.

**Chronic Symptoms:** Suspected of causing cancer.

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## SECTION 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

Ecology - General : Not classified.

<b>N,N-Dimethylcyclohexylamine (98-94-2)</b>	
EC50 Daphnia 1	75 mg/l (Exposure time: 48 h - Species: Daphnia magna Straus)
ErC50 (Algae)	0.0885 mg/l
<b>Benzene, 1,2,4-trimethyl- (95-63-6)</b>	
LC50 Fish 1	7.19 (7.19 - 8.28) mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 Daphnia 1	6.14 mg/l (Exposure time: 48 h - Species: Daphnia magna)
<b>Naphthalene (91-20-3)</b>	
LC50 Fish 1	(Exposure time: 96 h - Species: Pimephales promelas [flow-through])

### 12.2. Persistence and Degradability

<b>Poly-Ground Component B</b>	
Persistence and Degradability	Not established.

### 12.3. Bioaccumulative Potential

<b>Poly-Ground Component B</b>	
Bioaccumulative Potential	Not established.

<b>N,N-Dimethylcyclohexylamine (98-94-2)</b>	
Log Pow	2.01 (at 25 °C)
<b>Solvent naphtha, petroleum, heavy aromatic (64742-94-5)</b>	
BCF Fish 1	61 - 159
Log Pow	2.9 - 6.1
<b>Benzene, 1,2,4-trimethyl- (95-63-6)</b>	
Log Pow	3.63

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.

**Ecology - Waste Materials:** Avoid release to the environment. Keep out of sewers and waterways.

## 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

<b>Poly-Ground Component B</b>	
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard
<b>Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-hydro-.omega.-hydroxy-, ether with .beta.-D-fructofuranosyl .alpha.-D-glucopyranoside (9049-71-2)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>Poly[oxy(methyl-1,2-ethanediyl)], .alpha.,.alpha.',.alpha."-(nitrioltri-2,1-ethanediyl)tris[.omega.-hydroxy- (37208-53-0)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>Water (7732-18-5)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>Siloxanes and Silicones, dimethyl, 3-hydroxypropyl methyl, [[[3-hydroxypropyl]dimethylsilyl]oxy]-terminated, ethers with polyethylene-polypropylene glycol monomethyl ether (135108-84-8)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

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<b>N,N-Dimethylcyclohexylamine (98-94-2)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>2,4,6-Tri(dimethylaminomethyl)phenol (90-72-2)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>Solvent naphtha, petroleum, heavy aromatic (64742-94-5)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>Benzene, 1,2,4-trimethyl- (95-63-6)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Subject to reporting requirements of United States SARA Section 313	
<b>SARA Section 313 - Emission Reporting</b>	1.0 %
<b>Naphthalene (91-20-3)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Subject to reporting requirements of United States SARA Section 313	
<b>EPA TSCA Regulatory Flag</b>	T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA
<b>CERCLA RQ</b>	100 lb
<b>SARA Section 313 - Emission Reporting</b>	0.1 %

## 15.2 US State Regulations

<b>Naphthalene (91-20-3)</b>	
<b>U.S. - California - Proposition 65 - Carcinogens List</b>	WARNING: This product contains chemicals known to the State of California to cause cancer.
<b>N,N-Dimethylcyclohexylamine (98-94-2)</b>	
U.S. - New Jersey - Right to Know Hazardous Substance List	
<b>Benzene, 1,2,4-trimethyl- (95-63-6)</b>	
U.S. - Massachusetts - Right To Know List	
U.S. - New Jersey - Right to Know Hazardous Substance List	
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List	
U.S. - Pennsylvania - RTK (Right to Know) List	
<b>Naphthalene (91-20-3)</b>	
U.S. - Massachusetts - Right To Know List	
U.S. - New Jersey - Right to Know Hazardous Substance List	
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List	
U.S. - Pennsylvania - RTK (Right to Know) List	

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

<b>Revision Date</b>	: 05/03/2016
<b>Other Information</b>	: 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
Acute Tox. 4 (Inhalation:vapour)	Acute toxicity (inhalation:vapour) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Asp. Tox. 1	Aspiration hazard Category 1
Carc. 2	Carcinogenicity Category 2
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Flam. Liq. 3	Flammable liquids Category 3
Flam. Liq. 4	Flammable liquids Category 4
Flam. Sol. 2	Flammable solids Category 2
Skin Corr. 1B	Skin corrosion/irritation Category 1B

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Skin Corr. 1C	Skin corrosion/irritation Category 1C
Skin Irrit. 2	Skin corrosion/irritation Category 2
Skin Sens. 1B	Skin sensitization Category 1B
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
STOT SE 3	Specific target organ toxicity (single exposure) Category 3

*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)