

# SAFETY DATA SHEET

Revision date 2015-08-17

Revision number 2.02

## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1 Product identifier

**Product name** DMPA® Polyol HA-0135  
**Product code** 1350T  
**Synonyms** Trimet Acid Polyol

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

**Recommended use [RU]** No information available  
**Uses advised against** None known

### 1.3 Details of the supplier of the safety data sheet

#### Supplier

GEO Specialty Chemicals, Inc.  
2409 N. Cedar Crest Blvd.  
Allentown, PA 18104-9733  
+1-610-433-6330  
Hours: Monday-Friday 9:00-5:00 EST (Eastern Standard Time)

#### Only representative

GEO Specialty Chemicals UK Ltd  
Charleston Road, Hardley, Hythe  
Southampton, Hampshire SO45 3ZG  
United Kingdom  
Phone: +44 (0)23 80894666  
Fax No: +44 (0)23 80243113  
Hours: Monday-Friday 9:00-5:00 GMT (Greenwich Mean Time)

**Responsibility Statement** For further information, please contact [safety-data-sheet-fp@geosc.com](mailto:safety-data-sheet-fp@geosc.com)

### 1.4 Emergency telephone number

**Emergency telephone** 24 Hour Emergency Phone Number  
GEO Specialty Chemicals UK Ltd  
+44 (0)23 80891806

## 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

#### REGULATION (EC) No 1272/2008

Not a hazardous substance or mixture according to the Globally Harmonized System (GHS)

### 2.2 Label elements

#### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not a hazardous substance or mixture according to the Globally Harmonized System (GHS)

**Signal word** Not classified

**Hazard statements**

None

**Precautionary statements**

None

**2.3 Other information**

None known

**3. COMPOSITION/INFORMATION ON INGREDIENTS****3.1 Substances**

Component	EU EINECS	weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH Regulations
Proprietary Polyol Polymer	Not applicable	100%	Not Classified as Hazardous	In compliance

For the full text of the H-Statements mentioned in this Section, see Section 16.

**3.2 Mixtures**

Not applicable

**4. FIRST AID MEASURES****4.1 Description of first aid measures****Eye contact**

Remove contact lenses, if worn. Immediately flush with plenty of water for at least 15 minutes, holding eyelids apart to ensure flushing of the entire surface. Washing within one minute is essential to achieve maximum effectiveness. Seek medical advice immediately.

**Skin contact**

Immediately flush skin with plenty of soap and water for at least 15 minutes. Remove contaminated clothing and shoes. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention.

**Ingestion**

Do NOT induce vomiting. If vomiting should occur spontaneously, keep airway clear. Never give anything by mouth to an unconscious person. Get medical attention.

**Inhalation**

Remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

**4.2 Most important symptoms and effects, both acute and delayed****Most important symptoms and effects**

No information available.

**Aggravated Medical Conditions**

Existing skin and lung conditions.

**4.3 Indication of any immediate medical attention and special treatment needed****Note to physicians**

Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

### 5.1 Extinguishing media

**Suitable extinguishing media**

Water mist. Carbon dioxide (CO<sub>2</sub>). Foam. Dry chemical.

**Extinguishing media which must not be used for safety reasons**

No information available

### 5.2 Special hazards arising from the substance or mixture

**Special Hazard**

Slippery, can cause falls if walked on.

### 5.3 Advice for firefighters

**Special protective equipment for firefighters**

Full protective clothing and approved self-contained breathing apparatus required for firefighting personnel.

**Firefighting measures**

Cool exposed containers with water spray after extinguishing fire.

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

**Personal precautions**

Wear suitable protective clothing and gloves.

### 6.2 Environmental precautions

**Environmental precautions**

Do not permit solutions of product into sewers or waterways.

### 6.3 Methods and material for containment and cleaning up

**Methods for cleaning up**

Clean up immediately by sweeping or shoveling material into a properly labeled container for disposal. Clean up large spills with vacuum truck.

### 6.4 Reference to other sections

See Section 12 for additional Ecological Information

## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

**Advice on safe handling**

For industrial use only.

Do not take internally

Avoid breathing vapor or mist

Personal protective equipment comprising: suitable protective gloves, safety goggles and protective clothing.

Wash thoroughly after handling

Use with adequate ventilation and employ respiratory protection where mist or spray may be generated.

Avoid contact with eyes, skin and clothing

Keep container closed when not in use

### 7.2 Conditions for safe storage, including any incompatibilities

**Technical measures and storage conditions**

Store in a cool, dry place out of direct sunlight, away from ignition sources and open flame.

**7.3 Specific end use(s)****Specific use(s)**

Not applicable

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1 Control parameters****Occupational exposure limit value**

Component	European Union	United Kingdom	Spain	Germany
Proprietary Polyol Polymer	NAV	NAV	NAV	NAV

**Biological limit values**

Component	European Union	United Kingdom	Spain	Germany
Proprietary Polyol Polymer	NAV	NAV	NAV	NAV

**Legend**

NAV - Not available

**Derived No Effect Level (DNEL)**

No information available

**Predicted No Effect Concentration (PNEC)**

No information available

**8.2 Exposure controls****Personal Protective Equipment****Eye/face Protection**

Wear chemical splash goggles and face shield (when eye and face contact is possible due to splashing or spraying of material).

**Hand Protection**

Appropriate chemical resistant gloves should be worn.

**Skin and body protection**

Wear suitable protective clothing.

**Respiratory protection**

Appropriate respiratory protection shall be worn when applied engineering controls are not adequate to protect against inhalation exposure above the listed occupational exposure limits.

**Other personal protection data**

Eyewash fountains and safety showers must be easily accessible.

**Hygiene measures**

Handle in accordance with good industrial hygiene and safety practice.

**Environmental exposure controls**

No information available.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Physical state	liquid
Color	clear
Appearance	No information available
Odor	negligible
Odor threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks</u>
pH	No information available	No information available
Melting / freezing point	No information available	No information available
Boiling point / boiling range	> 230 °C / > 446 °F	No information available
Flash point	No information available	No information available
Evaporation rate	No information available	No information available
Flammability (solid, gas)	No information available	No information available
Flammability Limit in Air		
Upper flammability limit	No information available	No information available
Lower flammability limit	No information available	No information available
Vapor pressure	No information available	No information available
Vapor density	No information available	No information available
Specific gravity	No information available	No information available
Solubility (water)	partially soluble	No information available
Solubility in other solvents	Soluble in polar solvents	No information available
Partition coefficient: n-octanol/water	No information available	No information available
Autoignition temperature	No information available	No information available
Decomposition temperature	No information available	No information available
Kinematic viscosity	No information available	No information available
Dynamic viscosity	400,000 - 800,000 cps	No information available
Density	10.0 - 10.3	No information available

### 9.2 Other information

Bulk Density	No information available
Explosive properties	No information available.
Oxidizing properties	No information available.
Softening point	No information available
Molecular weight	1100 g/mol
Volatile organic compounds (VOCs) content	No information available
Percent Volatile, wt. %	< 2.0 %

## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

**Reactivity**

No information available.

### 10.2 Chemical stability

**Chemical stability**

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

**Hazardous polymerization**

Not anticipated under normal or recommended handling and storage conditions.

### 10.4 Conditions to avoid

**Conditions to avoid**

None

### 10.5 Incompatible materials

**Materials to avoid**

Oxidizing agents.

### 10.6 Hazardous decomposition products

**Hazardous decomposition products**

Carbon monoxide. Carbon dioxide.

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### Acute health hazard

**Inhalation**

None anticipated under normal conditions of use.

**Eye contact**

May cause mild eye irritation.

**Skin contact**

Mild skin irritation.

**Ingestion**

May be harmful if swallowed.

#### Acute toxicity

**Oral LD50**

No information available

**Dermal LD50**

No information available

**Inhalation LC50**

No information available

**Skin corrosion/irritation**

Mild skin irritation

**Serious eye damage/eye irritation**

Mild eye irritation

**Sensitization**

No information available

**Germ cell mutagenicity**

No information available

**Carcinogenicity**

No information available

**Reproductive toxicity**

No information available

**Specific target organ toxicity - Single exposure**

No information available

**Specific target organ toxicity - Repeated exposure**

No information available

**Aspiration hazard**

No information available

## 12. ECOLOGICAL INFORMATION

### 12.1 Toxicity

#### Acute aquatic toxicity

<b>Fish</b>	No information available
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<b>Crustacea</b>	No information available
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<b>Algae/aquatic plants</b>	No information available
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### 12.2 Persistence and degradability

**Persistence and degradability**

No information available

### 12.3 Bioaccumulative potential

**Bioaccumulative potential**

No information available.

### 12.4 Mobility in soil

**Mobility**

No information available.

### 12.5 Results of PBT and vPvB assessment

**PBT and vPvB assessment**

No information available

### 12.6 Other adverse effects

**Other information**

No other ecological studies have been carried out on this product.

## 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

#### Disposal of wastes

Since empty containers retain product residue, follow label warnings even after container is emptied. Dispose of product in an approved chemical waste landfill or incinerate in accordance with applicable Federal, state and local regulations.

## 14. TRANSPORT INFORMATION

#### DOT (US) Not regulated

- 14.1 UN number
- 14.2 Proper shipping name
- 14.3 Hazard class
- 14.4 Packing group
- 14.5 Environmental hazard
- 14.6 Special precautions for user

#### Land transport (ADR/RID) Not regulated

- 14.1 UN number
- 14.2 Proper shipping name
- 14.3 Hazard class
- 14.4 Packing group
- 14.5 Environmental hazard
- 14.6 Special precautions for user

#### Inland waterway transport (ADN) Not regulated

- 14.1 UN number
- 14.2 Proper shipping name
- 14.3 Hazard class
- 14.4 Packing group
- 14.5 Environmental hazard
- 14.6 Special precautions for user

#### Air transport (ICAO-TI / IATA-DGR) Not regulated

- 14.1 UN number
- 14.2 Proper shipping name
- 14.3 Hazard class
- 14.4 Packing group
- 14.5 Environmental hazard
- 14.6 Special precautions for user

#### Sea transport (IMDG) Not regulated

- 14.1 UN number
- 14.2 Proper shipping name
- 14.3 Hazard class
- 14.4 Packing group
- 14.5 Environmental hazard
- 14.6 Special precautions for user

#### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

Harmonized Tariff Number 3907.99



## 15. REGULATORY INFORMATION

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

**Germany - Water Classification (VwVwS)**

No information available

**International Inventories****Australia (AICS)**

Some ingredients are not on the inventory.

**Canada (DSL)**

Some ingredients are not on the inventory.

**Canada (NDSL)**

None of the ingredients are on the inventory.

**China (IECSC)**

Some ingredients are not on the inventory.

**EINECS (European Inventory of Existing Chemical Substances)**

Some ingredients are not on the inventory.

**ELINCS (European List of Notified Chemical Substances)**

None of the ingredients are on the inventory.

**ENCS (Japan)**

Some ingredients are not on the inventory.

**South Korea (KECL)**

Some ingredients are not on the inventory.

**Philippines (PICCS)**

Some ingredients are not on the inventory.

**TSCA (United States)**

All ingredients are on the inventory or exempt from listing

**Legend**

**AICS** - Australian Inventory of Chemical Substances

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**IECSC** - China Inventory of Existing Chemical Substances

**EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

### 15.2 Chemical Safety Report

No information available.

## 16. OTHER INFORMATION

**Product code** 1350T

**Revision date** 2015-08-17

**Full text of H-Statements referred to under sections 2 and 3**

None

**Key or legend to abbreviations and acronyms used in the safety data sheet**

NAV - Not available

**This safety data sheet complies with the requirements of: Regulation (EC) No. 1907/2006.**

**Additional information**

None

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text