

# SAFETY DATA SHEET

Classified in accordance 29 CFR 1910.1200

## 1. Identification

**Product identifier:** TEGO® Dispers 688  
**Chemical name:**  
Polymer Solution

**Other means of identification**  
None.

### Recommended restrictions

**Recommended use:** Industrial use  
**Restrictions on use:** None known.

### Manufacturer/Importer/Distributor Information

Company Name : Evonik Corporation  
Nutrition & Care  
PO Box 34628  
Richmond, VA 23234  
USA

Telephone : +1 804 727 0700

Fax : +1 804 727 0845

E-mail : product-regulatory-services@evonik.com

### Emergency telephone number:

24-Hour Health : +1 800 424 9300 (CHEMTREC - US & CANADA)  
Emergency : 800 681 9531 (CHEMTREC MEXICO)  
+1 703 527 3887 (CHEMTREC WORLD)

## 2. Hazard(s) identification

### Hazard Classification

#### Physical Hazards

Flammable liquids Category 3

#### Health Hazards

Toxic to reproduction Category 1B  
Specific Target Organ Toxicity - Category 3  
Single Exposure (Narcotic effect.)

### Label Elements

**Hazard Symbol:**



**Signal Word:** Danger

**Hazard Statement:**  
Flammable liquid and vapor.  
May damage fertility or the unborn child.  
May cause drowsiness or dizziness.

**Precautionary Statements**

**Prevention:** Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground and bond container and receiving equipment. Use explosion-proof electrical equipment. Use non-sparking tools. Take action to prevent static discharges. Wear protective gloves/protective clothing/eye protection/face protection. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area.

**Response:** IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. Call a POISON CENTER/doctor if you feel unwell. In case of fire: Use... to extinguish.

**Storage:** Store in a well-ventilated place. Keep cool. Store locked up. Keep container tightly closed.

**Disposal:** Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

**Hazard(s) not otherwise classified (HNOC):** None.

**3. Composition/information on ingredients**

**Chemical name:**  
Polymer Solution

**Mixtures**

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%) <sup>*</sup>
2-methoxy-1-methylethyl acetate		108-65-6	50 - <100%
2-methoxypropyl acetate		70657-70-4	0.1 - <0.3%

<sup>\*</sup> All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

The exact concentration has been withheld as a trade secret.

#### 4. First-aid measures

##### Description of necessary first-aid measures

<b>General information:</b>	Remove soiled or soaked clothing immediately
<b>Inhalation:</b>	fresh air supply, consult a doctor if feeling unwell.
<b>Skin Contact:</b>	In case of contact with skin wash off immediately with soap and water In case of discomfort: Supply with medical care.
<b>Eye contact:</b>	In case of contact with eyes rinse thoroughly with water. In case of discomfort: Supply with medical care.
<b>Ingestion:</b>	Thoroughly clean the mouth with water In case of discomfort: Supply with medical care.
<b>Personal Protection for First-aid Responders:</b>	No data available.

##### Most important symptoms/effects, acute and delayed

<b>Symptoms:</b>	Depending on the dose inhalation and/or ingestion may cause: headache, inebriation, unconsciousness.
<b>Hazards:</b>	No data available.

##### Indication of immediate medical attention and special treatment needed

<b>Treatment:</b>	Treat symptomatically.
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#### 5. Fire-fighting measures

##### Suitable (and unsuitable) extinguishing media

<b>Suitable extinguishing media:</b>	foam, carbon dioxide, dry powder, water spray.
<b>Unsuitable extinguishing media:</b>	High volume water jet.

<b>Specific hazards arising from the chemical:</b>	In the event of fire the following can be released: - carbon dioxide, carbon monoxide - Nitrogen oxides (NOx) Under certain conditions of combustion traces of other toxic substances cannot be excluded
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##### Special protective equipment and precautions for firefighters

<b>Special fire fighting procedures:</b>	Keep away from sources of ignition - no smoking. Take action to prevent static discharges. Vapours may form explosive mixtures with air. Cool endangered containers by water spray
<b>Special protective equipment for fire-fighters:</b>	Do not inhale explosion and/or combustion gases. Self-contained breathing apparatus.

#### 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures:</b>	Use personal protective equipment. Keep away sources of ignition. Ensure adequate ventilation.
<b>Methods and material for containment and cleaning up:</b>	Take up with absorbent material (eg sand, kieselguhr, acid binder, universal binder, sawdust). Dispose of absorbed material in accordance with the regulations.
<b>Environmental Precautions:</b>	Do not allow to enter drains or waterways Prevent product from getting into subsoil/soil.

## 7. Handling and storage

### Handling

<b>Technical measures (e.g. Local and general ventilation):</b>	No data available.
<b>Safe handling advice:</b>	Avoid contact with skin and eyes. Do not inhale gases/vapours/aerosols. Provide good ventilation of working area (local exhaust ventilation if necessary).
<b>Contact avoidance measures:</b>	No data available.

### Storage

<b>Safe storage conditions:</b>	Keep container tightly closed in a cool, well-ventilated place. Protect from frost.
<b>Safe packaging materials:</b>	No data available.

## 8. Exposure controls/personal protection

### Control Parameters

#### Occupational Exposure Limits

None of the components have assigned exposure limits.

#### Biological Limit Values

No biological exposure limits noted for the ingredient(s).

<b>Appropriate Engineering Controls</b>	No data available.
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#### Individual protection measures, such as personal protective equipment

<b>Eye/face protection:</b>	This product is not classified as an eye irritant. Any necessity for eye protection must be determined within the scope of a risk assessment.
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#### Skin Protection

<b>Hand Protection:</b>	Material: Nitrile rubber. Break-through time: 10 min
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<b>Skin and Body Protection:</b>	protective clothing
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**Respiratory Protection:** in case of formation of vapours/aerosols: Short term: filter apparatus, combination filter A-P2

**Hygiene measures:** Wash hands before breaks and immediately after handling the product. Remove soiled or soaked clothing immediately. Do not eat, drink or smoke when working.

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

#### Appearance

<b>Physical state:</b>	liquid
<b>Form:</b>	liquid
<b>Color:</b>	brownish yellow
<b>Odor:</b>	specific to the product
<b>Odor Threshold:</b>	not measured
<b>Freezing point:</b>	not measured
<b>Boiling Point:</b>	293 - 297 °F/145 - 147 °C (DIN 53171)
<b>Flammability:</b>	not measured

#### Upper/lower limit on flammability or explosive limits

<b>Explosive limit - upper:</b>	not measured
<b>Explosive limit - lower:</b>	not measured
<b>Flash Point:</b>	113 °F/45 °C (DIN 51755)
<b>Self Ignition Temperature:</b>	522 °F/272 °C
<b>Decomposition Temperature:</b>	not measured
<b>pH:</b>	5 - 7 (100 g/l, 77 °F/25 °C) in Water

#### Viscosity

<b>Dynamic viscosity:</b>	70 mPa.s (68 °F/20 °C)
<b>Kinematic viscosity:</b>	69 mm <sup>2</sup> /s (68 °F/20 °C, calculated)
<b>Flow Time:</b>	Not applicable

#### Solubility(ies)

<b>Solubility in Water:</b>	not measured
<b>Solubility (other):</b>	not measured
<b>Partition coefficient (n-octanol/water):</b>	not measured

<b>Vapor pressure:</b>	not measured
<b>Relative density:</b>	not measured
<b>Density:</b>	1.014 g/cm <sup>3</sup> (68 °F/20 °C)
<b>Bulk density:</b>	Not applicable
<b>Relative vapor density:</b>	not measured

#### Particle characteristics

<b>Particle Size Distribution:</b>	Not applicable
<b>Specific surface area:</b>	Not applicable
<b>Surface charge/Zeta potential:</b>	Not applicable
<b>Assessment:</b>	Not applicable
<b>Shape:</b>	Not applicable

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**Crystallinity:** Not applicable  
**Surface treatment:** Not applicable

**Other information**

**Explosive properties:** not measured  
**Oxidizing properties:** not oxidizing  
**Minimum ignition temperature:** not measured  
**Metal Corrosion:** Does not corrode metal.  
**Evaporation Rate:** not measured

**10. Stability and reactivity**

**Reactivity:** see section "Possibility of hazardous reactions".  
**Chemical Stability:** The product is stable under normal conditions.  
**Possibility of hazardous reactions:** No hazardous reactions with proper storage and handling  
**Conditions to avoid:** Open flames, sparks or input of much heat Freezing.  
**Incompatible Materials:** Not known.  
**Hazardous Decomposition Products:** None with proper storage and handling.

**11. Toxicological information****Information on likely routes of exposure**

**Inhalation:** Information on effects are given below.  
**Skin Contact:** Information on effects are given below.  
**Eye contact:** Information on effects are given below.  
**Ingestion:** Information on effects are given below.

**Information on toxicological effects****Acute toxicity (list all possible routes of exposure)****Oral**

**Product:** LD 50 (Rat): > 2,000 mg/kg (OECD 423)

**Dermal**

**Product:** No data available.  
Not classified for acute toxicity based on available data.

**Inhalation**

**Product:** No data available.  
Not classified for acute toxicity based on available data.

**Repeated dose toxicity**

**Product:** No data available.

**Skin Corrosion/Irritation**

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**Product:** No data available.**Serious Eye Damage/Eye Irritation****Product:** No data available.**Respiratory or Skin Sensitization****Product:** No data available.**Carcinogenicity****Product:** No data available.**IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:**

No carcinogens present or none present in regulated quantities

**US. National Toxicology Program (NTP) Report on Carcinogens:**

No carcinogens present or none present in regulated quantities

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended:**

No carcinogens present or none present in regulated quantities

**Germ Cell Mutagenicity****In vitro****Product:** No data available.**In vivo****Product:** No data available.**Reproductive toxicity****Product:** No data available.**Specific Target Organ Toxicity - Single Exposure****Product:** No data available.**Specific Target Organ Toxicity - Repeated Exposure****Product:** No data available.**Aspiration Hazard****Product:** Not classified**Information on health hazards****Other hazards****Product:** No data available.**12. Ecological information****Ecotoxicity:****Acute hazards to the aquatic environment:****Fish****Product:** No data available.**Aquatic Invertebrates****Product:** No data available.**Toxicity to Aquatic Plants****Product:** No data available.**Components:**2-methoxy-1-methylethyl EC 50 (Algae (*Pseudokirchneriella subcapitata*), 96 h): > 1,000 mg/l (OECD)

**Product name: TEGO® Dispers 688**

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acetate 201)

**Toxicity to microorganisms****Product:** No data available.**Chronic hazards to the aquatic environment:****Fish****Product:** No data available.**Aquatic Invertebrates****Product:** No data available.**Toxicity to Aquatic Plants****Product:** No data available.**Components:**2-methoxy-1-methylethyl acetate NOEC (Algae (*Pseudokirchneriella subcapitata*), 96 h): 1,000 mg/l (OECD 201)**Toxicity to microorganisms****Product:** No data available.**Persistence and Degradability****Biodegradation****Product:** No data available.**BOD/COD Ratio****Product:** No data available.**Bioaccumulative potential****Bioconcentration Factor (BCF)****Product:** No data available.**Partition Coefficient n-octanol / water (log Kow)****Product:** Log Kow: not measured**Mobility in soil:****Product** No data available.**Results of PBT and vPvB assessment:****Product** No data available.**Other adverse effects:****Other hazards****Product:** Do not allow to enter soil, waterways or waste water canal.**13. Disposal considerations****Disposal methods:**

In accordance with local authority regulations, take to special waste incineration plant

**Contaminated Packaging:**

If empty contaminated containers are recycled or disposed of, the receiver must be informed about possible hazards.



## 14. Transport information

### Domestic regulation

#### 49 CFR

UN/ID/NA number : UN 3272  
Proper shipping name : Esters, n.o.s.  
(Methoxypropylacetate)  
Class : 3  
Packing group : III  
Labels : 3  
ERG Code : 127  
Marine pollutant : no  
Remarks : FOR USA ONLY: In packagings > 450 L this Product must be classified, placarded, marked and shipped as Combustible Liquid in the USA.

### International Regulations

#### IATA-DGR

UN/ID No. : UN 3272  
Proper shipping name : Esters, n.o.s.  
(Methoxypropylacetate)  
Class : 3  
Packing group : III  
Labels : 3  
Packing instruction (cargo aircraft) : 366  
Packing instruction (passenger aircraft) : 355

#### IMDG-Code

UN number or ID number : UN 3272  
Proper shipping name : ESTERS, N.O.S.  
(Methoxypropylacetate)  
Class : 3  
Packing group : III  
Labels : 3  
EmS Code : F-E, S-D  
Marine pollutant : no

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

Not applicable for product as supplied.

### Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

## 15. Regulatory information

### US Federal Regulations

#### TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

No substances are subject to TSCA 12(b) export notification requirements.

None present or none present in regulated quantities.

**US. Toxic Substances Control Act (TSCA) Section 5(a)(2) Final Significant New Use Rules (SNURs) (40 CFR 721, Subpt E)**

No substances are subject to a Significant New Use Rule.

None present or none present in regulated quantities.

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended**

None present or none present in regulated quantities.

**CERCLA Hazardous Substance List (40 CFR 302.4):**

None present or none present in regulated quantities.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories**

Flammable (gases, aerosols, liquids, or solids), Reproductive toxicity, Specific target organ toxicity (single or repeated exposure)

**US. EPCRA (SARA Title III) Section 304 Extremely Hazardous Substances Reporting Quantities and the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Hazardous Substances**

None present or none present in regulated quantities.

**US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required**

None present or none present in regulated quantities.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):**

None present or none present in regulated quantities.

**Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)**

None present or none present in regulated quantities.

**US State Regulations**

**US. California Proposition 65**

No ingredient requiring a warning under CA Prop 65.

**US. New Jersey Worker and Community Right-to-Know Act**

No ingredient regulated by NJ Right-to-Know Law present.

**US. Massachusetts RTK - Substance List**

No ingredient regulated by MA Right-to-Know Law present.

**US. Pennsylvania RTK - Hazardous Substances**

No ingredient regulated by PA Right-to-Know Law present.

**US. Rhode Island RTK**

No ingredient regulated by RI Right-to-Know Law present.

**Inventory Status:**

US TSCA Inventory:	On or in compliance with the inventory	This product contains one or more components that comply with the TSCA Polymer Exemption criteria per 40 CFR 723.250.
Canada DSL Inventory List:	Included on Inventory.	

**16. Other information, including date of preparation or last revision**

**HMIS Hazard ID**

<b>Health</b>	1
<b>Flammability</b>	2
<b>Physical Hazards</b>	0
<b>PERSONAL PROTECTION</b>	
<b>B</b>	

B - Safety Glasses & Gloves

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible; \*Chronic health effect

**Issue Date:** 07/12/2021

**Version #:** 1.4

**Further Information:** none

**Revision Information** Changes since the last version are highlighted in the margin. This version replaces all previous versions.

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