

# SAFETY DATA SHEET

## 1. Identification

**Product identifier:** TEGO® Dispers 688

**Chemical name:** Polymer Solution

### Other means of identification

**Recommended use:** Industrial use

**Recommended restrictions:** None known.

### Manufacturer/Importer/Distributor Information

Company Name : Evonik Australia Pty Ltd  
Suites 33&37  
1 Ricketts Road  
Mt Waverley, VIC 3149  
Australia

Telephone : +61 3 8581 8400

Fax : +61 3 9544 5002

E-mail : productsafety-cs@evonik.com

### Emergency telephone number:

24-Hour Health : +61 2 9037 2994

Emergency : +1 703 527 3887 (CHEMTREC WORLD)

## 2. Hazard(s) identification

### Classification according to GHS

#### Physical Hazards

Flammable liquids Category 3

#### Health Hazards

Acute toxicity (Oral) Category 5

Toxic to reproduction Category 1B

Specific Target Organ Toxicity -  
Single Exposure Category 3  
(Narcotic effect.)

### Label Elements

**Hazard Symbol:**



**Signal Word:** Danger

**Hazard Statement:** Flammable liquid and vapor.  
 May be harmful if swallowed.  
 May damage the unborn child.  
 May cause drowsiness or dizziness.

**Precautionary Statements**

**Prevention:** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. 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, ventilating and lighting equipment. Use non-sparking tools. Take action to prevent static discharges. Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.

**Response:** Call a POISON CENTER or doctor/ physician if you feel unwell. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF exposed or concerned: Get medical advice/attention.

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

**Disposal:** Dispose of contents/ container to an approved facility in accordance with local, regional, national and international regulations.

**Other hazards:** None known.

**3. Composition/information on ingredients**

**Chemical name:**  
 Polymer Solution

**Mixtures**

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%)*
2-methoxy-1-methylethyl acetate	No data	108-65-6	30 - 60%

	available.		
2-methoxypropyl acetate	No data available.	70657-70-4	<0.3%

\* 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 and effects, both 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

**Suitable extinguishing media:** foam, carbon dioxide, dry powder, water spray.

**Unsuitable extinguishing media:** High volume water jet.

**Special hazards arising from the substance or mixture:** In the event of fire the following can be released: - carbon dioxide, carbon monoxide - Nitrogen oxides (NO<sub>x</sub>) Under certain conditions of combustion traces of other toxic substances cannot be excluded

##### 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>Accidental release measures:</b>	No data available.
<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

Observe national threshold limit values.

#### Biological Limit Values

Observe national threshold limit values.

#### Appropriate Engineering Controls

No data available.

**Individual protection measures, such as personal protective equipment**

<b>General information:</b>	No data available.
<b>Eye/face protection:</b>	Safety goggles
<b>Skin Protection</b>	
<b>Hand Protection:</b>	Material: Nitrile rubber. Break-through time: 10 min Glove thickness: 0.5 mm
<b>Other:</b>	protective clothing
<b>Respiratory Protection:</b>	in case of formation of vapours/aerosols: Short term: filter apparatus, combination filter A-P2
<b>Hygiene measures:</b>	Wash hands before breaks and immediately after handling the product. Remove soiled or soaked clothing immediately. When using do not eat, drink or smoke.

**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>Autoignition Temperature:</b>	not measured
<b>Decomposition Temperature:</b>	not measured
<b>pH:</b>	5 - 7 (100 g/l, 25 °C) in Water
<b>Viscosity</b>	
<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>	No data available.

**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>	No data available.
<b>Relative vapor density:</b>	not measured

#### Other information

<b>Explosive properties:</b>	not measured
<b>Oxidizing properties:</b>	not oxidizing
<b>Minimum ignition temperature:</b>	522 °F/272 °C
<b>Metal Corrosion:</b>	Not corrosive to metals
<b>Evaporation Rate:</b>	not measured

### 10. Stability and reactivity

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

### 11. Toxicological information

#### Information on toxicological effects

##### Information on likely routes of exposure

<b>Inhalation:</b>	Information on effects are given below.
<b>Skin Contact:</b>	Information on effects are given below.
<b>Eye contact:</b>	Information on effects are given below.
<b>Ingestion:</b>	Information on effects are given below.

##### Acute toxicity (list all possible routes of exposure)

###### Oral

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

2-methoxy-1-methylethyl acetate LD 50 (Rat): 6,190 mg/kg  
 LD 50 (Rat): 6,190 - 10,000 mg/kg  
 LD 50 (Rat): 5,155 mg/kg

2-methoxypropyl acetate No data available.

#### Dermal

**Product:** No data available.

**Components:**  
 2-methoxy-1-methylethyl acetate LD 50 (Rabbit): > 5,000 mg/kg  
 2-methoxypropyl acetate No data available.

#### Inhalation

**Product:** No data available.

**Components:**  
 2-methoxy-1-methylethyl acetate LC 50 (Rat, 4 h): > 35.7 mg/l Vapour Not applicable, Dust and mist  
 2-methoxypropyl acetate No data available., Vapour No data available., Dust and mist

#### Repeated dose toxicity

**Product:** No data available.

**Components:**  
 2-methoxy-1-methylethyl acetate No data available.  
 2-methoxypropyl acetate No data available.

#### Skin Corrosion/Irritation

**Product:** No data available.

**Components:**  
 2-methoxy-1-methylethyl acetate OECD 404 (Rabbit): Not irritating  
 2-methoxypropyl acetate No data available.

#### Serious Eye Damage/Eye Irritation

**Product:** No data available.

**Components:**  
 2-methoxy-1-methylethyl acetate OECD 405 (Rabbit): Not irritating  
 2-methoxypropyl acetate No data available.

#### Respiratory or Skin Sensitization

**Product:** No data available.

**Components:**  
 2-methoxy-1-methylethyl acetate Maximization Test, OECD 406 (Guinea Pig): Not a skin sensitizer.  
 2-methoxypropyl acetate No data available.

#### Carcinogenicity

**Product:** No data available.

**Components:**

2-methoxy-1-methylethyl acetate	No data available.
2-methoxypropyl acetate	No data available.

### Germ Cell Mutagenicity

No data available.

#### In vitro

**Product:** No data available.

**Components:**  
 2-methoxy-1-methylethyl acetate No data available.  
 2-methoxypropyl acetate No data available.

#### In vivo

**Product:** No data available.

**Components:**  
 2-methoxy-1-methylethyl acetate No data available.  
 2-methoxypropyl acetate No data available.

### Reproductive toxicity

**Product:** No data available.

**Components:**  
 2-methoxy-1-methylethyl acetate No data available.  
 2-methoxypropyl acetate Presumed human reproductive toxicant May damage the unborn child.

### Specific Target Organ Toxicity - Single Exposure

**Product:** No data available.

**Components:**  
 2-methoxy-1-methylethyl acetate Inhalation - vapor: Central nervous system. - Category 3 with narcotic effects.  
 2-methoxypropyl acetate Inhalation - vapor: Respiratory system - Category 3 with respiratory tract irritation.

### Specific Target Organ Toxicity - Repeated Exposure

**Product:** No data available.

**Components:**  
 2-methoxy-1-methylethyl acetate No data available.  
 2-methoxypropyl acetate No data available.

### Aspiration Hazard

**Product:** Not classified

**Components:**  
 2-methoxy-1-methylethyl acetate Not classified  
 2-methoxypropyl acetate Not classified

### Information on health hazards

#### Other hazards

**Product:** No data available.



<b>12. Ecological information</b>
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**Ecotoxicity:**
**Acute hazards to the aquatic environment:**
**Fish**

**Product:** No data available.

**Components:**

2-methoxy-1-methylethyl acetate LC 50 (Oncorhynchus mykiss, 96 h): > 100 - 180 mg/l  
 NOEC (Oncorhynchus mykiss, 96 h): 100 mg/l

2-methoxypropyl acetate No data available.

**Aquatic Invertebrates**

**Product:** No data available.

**Components:**

2-methoxy-1-methylethyl acetate EC 50 (Daphnia magna, 48 h): > 500 mg/l

2-methoxypropyl acetate No data available.

**Toxicity to Aquatic Plants**

**Product:** No data available.

**Components:**

2-methoxy-1-methylethyl acetate EC 50 (Algae (Pseudokirchneriella subcapitata), 96 h): > 1,000 mg/l (OECD 201)

2-methoxypropyl acetate No data available.

**Toxicity to microorganisms**

**Product:** No data available.

**Components:**

2-methoxy-1-methylethyl acetate EC 10 (activated sludge, 0.5 h): > 1,000 mg/l (OECD 209)

2-methoxypropyl acetate No data available.

**Toxicity to soil dwelling organisms**

**Product:** No data available.

**Components:**

2-methoxy-1-methylethyl acetate No data available.

2-methoxypropyl acetate No data available.

**Toxicity to terrestrial organisms**

**Product:** No data available.

**Components:**

2-methoxy-1-methylethyl acetate No data available.

2-methoxypropyl acetate No data available.

**Chronic hazards to the aquatic environment:**
**Fish**

**Product:** No data available.

**Components:**

2-methoxy-1-methylethyl acetate	NOEC ( <i>Oryzias latipes</i> , 14 d): 47.5 mg/l (OECD 204) LC 50 ( <i>Oryzias latipes</i> , 14 d): 63.5 mg/l (OECD 204)
2-methoxypropyl acetate	No data available.

#### Aquatic Invertebrates

**Product:** No data available.

**Components:**

2-methoxy-1-methylethyl acetate	NOEC ( <i>Daphnia magna</i> , 21 d): 100 mg/l (OECD 211) EC 50 ( <i>Daphnia magna</i> , 21 d): > 100 mg/l (OECD 211)
2-methoxypropyl acetate	No data available.

#### Toxicity to Aquatic Plants

**Product:** No data available.

**Components:**

2-methoxy-1-methylethyl acetate	NOEC (Algae ( <i>Pseudokirchneriella subcapitata</i> ), 96 h): 1,000 mg/l (OECD 201)
2-methoxypropyl acetate	No data available.

#### Toxicity to microorganisms

**Product:** No data available.

**Components:**

2-methoxy-1-methylethyl acetate	EC 10 (activated sludge, 0.5 h): > 1,000 mg/l (OECD 209)
2-methoxypropyl acetate	No data available.

#### Toxicity to soil dwelling organisms

**Product:** No data available.

**Components:**

2-methoxy-1-methylethyl acetate	No data available.
2-methoxypropyl acetate	No data available.

#### Toxicity to terrestrial organisms

**Product:** No data available.

**Components:**

2-methoxy-1-methylethyl acetate	No data available.
2-methoxypropyl acetate	No data available.

#### Persistence and Degradability

##### Biodegradation

**Product:** No data available.

**Components:**

2-methoxy-1-methylethyl acetate	83 % (28 d, OECD 301 F) The product is easily biodegradable., aerobic
2-methoxypropyl acetate	No data available.

##### BOD/COD Ratio

**Product:** No data available.

**Components:**

2-methoxy-1-methylethyl acetate	No data available.
2-methoxypropyl acetate	No data available.

### Bioaccumulative potential

#### Bioconcentration Factor (BCF)

**Product:** No data available.

**Components:**

2-methoxy-1-methylethyl acetate No data available.

2-methoxypropyl acetate No data available.

#### Partition Coefficient n-octanol / water (log Kow)

**Product:** Log Kow: not measured

**Components:**

2-methoxy-1-methylethyl acetate No data available.

2-methoxypropyl acetate No data available.

#### Mobility in soil:

**Product** No data available.

**Components:**

2-methoxy-1-methylethyl acetate No data available.

2-methoxypropyl acetate No data available.

**Product** No data available.

**Components:**

2-methoxy-1-methylethyl acetate No data available.

2-methoxypropyl acetate 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

#### ADG

UN number or ID number : UN 3272  
 Proper shipping name : ESTERS, N.O.S.  
 (Methoxypropylacetate)  
 Class : 3  
 Packing group : III  
 Labels : 3

Hazchem Code : •3Y

**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****International regulations****Montreal protocol**

Not applicable

**Stockholm convention**

Not applicable

**Rotterdam convention**

Not applicable

**Kyoto protocol**

Not applicable

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

**Issue Date:** 09.04.2019

**Version #:** 1.3

**Further Information:** No data available.

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

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