

# SAFETY DATA SHEET

Classified in accordance 29 CFR 1910.1200

## 1. Identification

**Product identifier:** TEGO® Dispers 686

**Chemical name:**  
Polyether

**Other means of identification**  
None.

### Recommended restrictions

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

### Manufacturer/Importer/Distributor Information

Company Name : Evonik Corporation  
2 Turner Place  
Piscataway, NJ 08854  
USA

Telephone : +1 732 981 5000

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

#### Health Hazards

Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 1

#### Environmental Hazards

Acute hazards to the aquatic environment	Category 3
Chronic hazards to the aquatic environment	Category 3

### Label Elements

**Hazard Symbol:**



<b>Signal Word:</b>	Danger
<b>Hazard Statement:</b>	Causes skin irritation. Causes serious eye damage. Harmful to aquatic life with long lasting effects.
<b>Precautionary Statements</b>	
<b>Prevention:</b>	Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Avoid release to the environment.
<b>Response:</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF ON SKIN: Wash with plenty of water/... If skin irritation occurs: Get medical advice/attention. Immediately call a POISON CENTER/doctor. Specific treatment (see on this label). Take off contaminated clothing.
<b>Disposal:</b>	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.
<b>Hazard(s) not otherwise classified (HNOC):</b>	None.

### 3. Composition/information on ingredients

#### Chemical name:

Polyether

#### Mixtures

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%) <sup>*</sup>
Oxirane, methyl-, polymer with oxirane, mono(3,5,5-trimethylhexyl) ether		204336-40-3	25 - <50%
Oxirane, phenyl-, polymer with oxirane, mono(dihydrogen phosphate), decyl ethers		308336-53-0	25 - <50%
Orthophosphoric acid		7664-38-2	3 - <5%

<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>	Ensure supply of fresh air. In the event of symptoms seek medical advice.

<b>Skin Contact:</b>	In case of contact with skin wash off with soap and water. In the event of symptoms seek medical advice.
<b>Eye contact:</b>	In case of contact with eyes rinse thoroughly with water. In the event of symptoms seek medical advice.
<b>Ingestion:</b>	Thoroughly clean the mouth with water In the event of symptoms seek medical advice.
<b>Personal Protection for First-aid Responders:</b>	Do not inhale explosion and/or combustion gases, Self-contained breathing apparatus.

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

<b>Symptoms:</b>	No special hints.
<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**

<b>General Fire Hazards:</b>	Collect contaminated firefighting water separately, must not be discharged into the drains.
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**Suitable (and unsuitable) extinguishing media**

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

<b>Specific hazards arising from the chemical:</b>	In the event of fire the following can be released: - carbon dioxide, carbon monoxide 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>	No specific precautions.
<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. Ensure adequate ventilation.
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**Methods and material for containment and cleaning up:**

 Take up with absorbent material (eg sand, kieselguhr, universal binder)  
 Dispose of absorbed material in accordance with the regulations.

**Environmental Precautions:**

Do not allow to enter drains or waterways Do not discharge into the subsoil/soil.

**7. Handling and storage**
**Handling**
**Technical measures (e.g. Local and general ventilation):**

No data available.

**Safe handling advice:**

Do not inhale gases/vapours/aerosols. Avoid contact with skin and eyes. Provide good ventilation of working area (local exhaust ventilation if necessary).

**Contact avoidance measures:**

No data available.

**Hygiene measures:**

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

**Storage**
**Safe storage conditions:**

Keep container tightly closed and dry. PROTECT FROM FREEZING! Do not keep at temperatures below 0 °C.

**Safe packaging materials:**

No data available.

**8. Exposure controls/personal protection**
**Control Parameters**
**Occupational Exposure Limits**

Chemical Identity	Type	Exposure Limit Values	Source
Orthophosphoric acid	TWA	1 mg/m <sup>3</sup>	US. ACGIH Threshold Limit Values, as amended (03 2016)
	STEL	3 mg/m <sup>3</sup>	US. ACGIH Threshold Limit Values, as amended (03 2016)
	REL	1 mg/m <sup>3</sup>	US. NIOSH: Pocket Guide to Chemical Hazards, as amended (2010)
	STEL	3 mg/m <sup>3</sup>	US. NIOSH: Pocket Guide to Chemical Hazards, as amended (2010)
	PEL	1 mg/m <sup>3</sup>	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended (03 2016)
	IDLH	1,000 mg/m <sup>3</sup>	US. NIOSH. Immediately Dangerous to Life or Health (IDLH) Values, as amended (10 2017)
	TWA	1 mg/m <sup>3</sup>	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended (1989)
	STEL	3 mg/m <sup>3</sup>	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended (1989)
	TWA	1 mg/m <sup>3</sup>	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A, as amended (06 2008)
	STEL	3 mg/m <sup>3</sup>	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A, as amended (06 2008)
	ST ESL	10 µg/m <sup>3</sup>	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as

			amended (06 2018)
	AN ESL	1 µg/m <sup>3</sup>	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended (06 2018)
	TWA PEL	1 mg/m <sup>3</sup>	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants, as amended (01 2015)
	STEL	3 mg/m <sup>3</sup>	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants, as amended (01 2015)

**Appropriate Engineering Controls** No data available.

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

**Eye/face protection:** safety glasses

#### Skin Protection

**Hand Protection:** Material: gloves made of nitril (NBR)  
Break-through time: 30 min

**Skin and Body Protection:** protective clothing

**Respiratory Protection:** in case of formation of vapours/aerosols: Short term: filter apparatus, combination filter A-P2

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

### 9. Physical and chemical properties

#### Appearance

<b>Physical state:</b>	liquid
<b>Form:</b>	liquid
<b>Color:</b>	yellowish, clear
<b>Odor:</b>	Odorless
<b>Odor Threshold:</b>	not measured
<b>pH:</b>	2.16 (25 g/l, 20 °C) in Water
<b>Freezing point:</b>	Not applicable
<b>Boiling Point:</b>	not measured
<b>Flash Point:</b>	156 °C (DIN EN ISO 2719)
<b>Evaporation Rate:</b>	not measured
<b>Flammability (solid, gas):</b>	no data available
<b>Explosive limit - upper (%):</b>	not measured
<b>Explosive limit - lower (%):</b>	not measured
<b>Vapor pressure:</b>	not measured
<b>Vapor density (air=1):</b>	not measured
<b>Density:</b>	1.04 g/cm <sup>3</sup> (20 °C) (DIN 51757)
<b>Relative density:</b>	No data available.
<b>Solubility in Water:</b>	25 - 35 g/l (20 °C)
<b>Solubility (other):</b>	not measured

<b>Partition coefficient (n-octanol/water):</b>	not measured
<b>Self Ignition Temperature:</b>	not measured
<b>Decomposition Temperature:</b>	not measured
<b>Kinematic viscosity:</b>	No data available.
<b>Dynamic viscosity:</b>	200 - 400 mPa.s (25 °C, Brookf-Visc.RVT Sp.2)
<b>Other information</b>	
<b>Explosive properties:</b>	not measured
<b>Oxidizing properties:</b>	not oxidizing
<b>Minimum ignition temperature:</b>	not measured
<b>Metal Corrosion:</b>	Not corrosive to metals

## 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>	Unknown
<b>Incompatible Materials:</b>	Unknown
<b>Hazardous Decomposition Products:</b>	None with proper storage and handling.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Inhalation:</b>	No data available.
<b>Skin Contact:</b>	No data available.
<b>Eye contact:</b>	No data available.
<b>Ingestion:</b>	No data available.

### Symptoms related to the physical, chemical and toxicological characteristics

<b>Inhalation:</b>	No data available.
<b>Skin Contact:</b>	No data available.
<b>Eye contact:</b>	No data available.
<b>Ingestion:</b>	No data available.

### Information on toxicological effects

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

<b>Oral Product:</b>	no data available Not classified for acute toxicity based on available data.
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**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**

**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):**

No carcinogens present or none present in regulated quantities

**Germ Cell Mutagenicity****In vitro**

**Product:** No data available.

**Components:**

Orthophosphoric acid Ames test (OECD 471): negative  
Chromosomal aberration (OECD 473): negative

**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

**Other effects:** Proper use provided, no adverse health effects have been observed or have been come to our knowledge.

## 12. Ecological information

### Ecotoxicity:

#### Acute hazards to the aquatic environment:

##### Fish

**Product:** No data available.

##### Aquatic Invertebrates

**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.

### 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:** No data available.

#### Components:

Oxirane, methyl-, polymer with oxirane, mono(3,5,5-trimethylhexyl) ether No data available.

Oxirane, phenyl-, polymer with oxirane, mono(dihydrogen phosphate), decyl ethers No data available.

Orthophosphoric acid No data available.



**Other adverse effects:** Do not allow to enter soil, waterways or waste water canal. The product is classified as slightly hazardous to waters (according to the German Regulation on the Classification of Substances Hazardous to Waters (WwSV).

### 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

Not regulated as a dangerous good

#### International Regulations

##### UNRTDG

Not regulated as a dangerous good

##### IATA-DGR

Not regulated as a dangerous good

##### IMDG-Code

Not regulated as a dangerous good

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

Not applicable for product as supplied.

### 15. Regulatory information

#### US Federal Regulations

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

###### Chemical Identity

Oxirane, methyl-, polymer with oxirane, mono(3,5,5-trimethylhexyl) ether

###### Reportable quantity

De minimis concentration: 1.0% One-Time Export Notification only.

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

###### Chemical Identity

Oxirane, methyl-, polymer with oxirane, mono(3,5,5-trimethylhexyl) ether

Listed.Listed.

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

None present or none present in regulated quantities.

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

<u>Chemical Identity</u>	<u>Reportable quantity</u>
PHOSPHORIC ACID	5000 lbs.

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

Skin Corrosion or Irritation, Serious eye damage or eye irritation

**US. EPCRA (SARA Title III) Section 304 Extremely Hazardous Substances Reporting Quantities and the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Hazardous Substances****US. EPCRA (SARA Title III) Section 312 Extremely Hazardous Substances Reporting Quantities (40 CFR 355, Appendix A)**

<u>Chemical Identity</u>	<u>Threshold Planning Quantity</u>
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**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)**

<u>Chemical Identity</u>	<u>Reportable quantity</u>
Orthophosphoric acid	Reportable quantity: 5000 lbs.

**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**

<u>Chemical Identity</u>
Orthophosphoric acid

**US. Massachusetts RTK - Substance List**

<u>Chemical Identity</u>
Orthophosphoric acid

**US. Pennsylvania RTK - Hazardous Substances**

<u>Chemical Identity</u>
Orthophosphoric acid

**US. Rhode Island RTK**

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

**Inventory Status:**

US TSCA Inventory:

Included on Inventory.

This product is composed of an alkoxyated alcohol (CASRN 204336-40-3) that is regulated pursuant to a Significant New Use Rule (SNUR) under Section 5(a)(2) of TSCA. To be compliant with the SNUR's use restrictions, this product may only be used as - "Wetting agent, dispersing agent, and defoaming/deaerating agent in water-borne coatings, inks, and paints; water based adhesive; and UV coatings"--"a wetting agent in water miscible metalworking fluids"--"a wetting agent in powdered construction additives for use in cementitious mortars, grouts and tile adhesives"--"a wetting agent in liquid admixtures for concrete"--"substrate wetting and anti-cratering additive for UV curable inkjet ink." As this product is composed of an alkoxyated alcohol (CASRN 204336-40-3)that is regulated pursuant to a SNUR, the Exporter's Notification Requirements per Section 12(b) of TSCA apply to any export of this product. Please contact Goldschmidt Product Stewardship Group, if you require additional information.(Reference 40 CFR 721.522)

Canada DSL Inventory List:

Not in compliance with the inventory.

Canada NDSL Inventory:

On or in compliance with the inventory

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

<b>Health</b>	*	3
<b>Flammability</b>		1
<b>Physical Hazards</b>		0
<b>PERSONAL PROTECTION</b>		<b>B</b>

B - Safety Glasses &amp; Gloves

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

**Issue Date:**

10/22/2019

**Version #:**

1.0

**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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