



SEPARATION  
TECHNOLOGISTS

## Safety Data Sheet

Revision date : April 25, 2016  
Version: 1.0

Page: 1/8

### 1. Identification

**Product identifier used on the label**

D301 DEFOAMER

**Recommended use of the chemical and restriction on use**

Recommended use\*: for industrial use only

\* The "Recommended use" identified for this product is provided solely to comply with a US Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

**Details of the supplier of the safety data sheet**



SEPARATION  
TECHNOLOGISTS

7 Raymond Ave., Unit A-7  
Salem, NH 03079 USA  
(800)-932-3143  
www.separationtech.com

**Other means of identification**

Chemical family: polyglycol  
Synonyms: Defoamer

### 2. Hazards Identification

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

**Classification of the product**

No need for classification according to GHS criteria for this product.

**Label elements**

The product does not require a hazard warning label in accordance with GHS criteria.

# Safety Data Sheet

Revision date : April 25, 2016  
Version: 1.0

Page: 2/8

According to Regulation 1994 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

## Emergency overview

### CAUTION:

MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.  
INGESTION MAY CAUSE GASTRIC DISTURBANCES.

Wear protective clothing.

Avoid contact with the skin, eyes and clothing.

Wear a NIOSH-certified vapor respirator.

Wear chemical resistant protective gloves.

Wear NIOSH-certified chemical goggles.

Eye wash fountains and safety showers must be easily accessible.

## 3. Composition / Information on Ingredients

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

This product does not contain any components classified as hazardous under the referenced regulation.

According to Regulation 1994 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Chemical name</u>
9003-11-6	100.0 %	Methyl-oxirane polymer with oxirane

## 4. First-Aid Measures

### Description of first aid measures

#### General advice:

Remove contaminated clothing.

#### If inhaled:

Remove the affected individual into fresh air and keep the person calm. Seek medical attention.

#### If on skin:

Wash thoroughly with soap and water.

If irritation develops, seek medical attention.

#### If in eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open.

Seek medical attention.

#### If swallowed:

Rinse mouth and then drink plenty of water. Do not induce vomiting. Immediate medical attention required.

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

Symptoms: No significant symptoms are expected due to the non-classification of the product.

# Safety Data Sheet

Revision date : April 25, 2016  
Version: 1.0

Page: 3/8

---

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

### Note to physician

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

---

## 5. Fire-Fighting Measures

### Extinguishing media

Suitable extinguishing media:  
water spray, dry powder, foam

### Special hazards arising from the substance or mixture

#### Advice for fire-fighters

Protective equipment for fire-fighting:  
Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

#### Further information:

Contaminated extinguishing water must be disposed of in accordance with official regulations.

---

## 6. Accidental release measures

### Further accidental release measures:

High risk of slipping due to leakage/spillage of product.

### Personal precautions, protective equipment and emergency procedures

Use personal protective clothing. Information regarding personal protective measures see, section 8.

### Environmental precautions

Do not discharge into drains/surface waters/groundwater.

### Methods and material for containment and cleaning up

For small amounts: Pick up with absorbent material (e.g. sand, sawdust, general-purpose binder).  
Dispose of absorbed material in accordance with regulations.  
For large amounts: Pump off product.

---

## 7. Handling and Storage

### Precautions for safe handling

No special measures necessary provided product is used correctly.

### Protection against fire and explosion:

No special precautions necessary.

### Conditions for safe storage, including any incompatibilities

Suitable materials for containers: Stainless steel 1.4401

Further information on storage conditions: Keep container tightly closed and in a cool place.

---

# Safety Data Sheet

Revision date : April 25, 2016  
Version: 1.0

Page: 4/8

## 8. Exposure Controls/Personal Protection

### Advice on system design:

Provide local exhaust ventilation to control vapours/mists.

### Personal protective equipment

#### Respiratory protection:

Wear respiratory protection if ventilation is inadequate. Breathing protection if breathable aerosols/dust are formed.

#### Hand protection:

Chemical resistant protective gloves

Consult with glove manufacturer for testing data.

#### Eye protection:

Safety glasses with side-shields.

#### Body protection:

Body protection must be chosen based on level of activity and exposure.

#### General safety and hygiene measures:

Wear protective clothing as necessary to minimize contact. Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Remove contaminated clothing.

## 9. Physical and Chemical Properties

Form:	liquid	
Odour:	product specific	
Colour:	slightly milky, cloudy	
pH value:	5 - 7.5	
Freezing point:	approx. -29 °C	( 1,013 hPa)
Boiling point:	> 149 °C	
Flash point:	approx. 235 °C	(ASTM D92)
Vapour pressure:	< 0.1 mmHg	( 25 °C)
Density:	1.01 g/cm <sup>3</sup>	( 25 °C)
Relative density:	1.01	( 25 °C)
Partitioning coefficient n-octanol/water (log Pow):	-1.58	(calculated)
Viscosity, dynamic:	325 mPa.s	( 25 °C)
Solubility in water:		insoluble
Molar mass:	2,000 g/mol	
Other Information:	If necessary, information on other physical and chemical parameters is indicated in this section., none	

## 10. Stability and Reactivity

### Reactivity

#### Corrosion to metals:

Corrosive effects to metal are not anticipated.

### Chemical stability

# Safety Data Sheet

Revision date : April 25, 2016  
Version: 1.0

Page: 5/8

## Possibility of hazardous reactions

No hazardous reactions when stored and handled according to instructions.  
The product is chemically stable.

## Conditions to avoid

### Incompatible materials

strong acids, strong bases, strong oxidizing agents

### Hazardous decomposition products

Decomposition products:

Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated.

---

## 11. Toxicological information

### Primary routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

### Acute Toxicity/Effects

#### Oral

Type of value: LD50

Species: rat

Value: > 5,000 mg/kg (BASF-Test)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

#### Dermal

Type of value: LD50

Species: rabbit

Value: > 2,000 mg/kg

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition. Literature data.

#### Irritation / corrosion

Assessment of irritating effects: Not irritating to the eyes. Not irritating to the skin.

#### Skin

Species: rabbit

Result: non-irritant

Method: OECD Guideline 404

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

#### Eye

Species: rabbit

Result: non-irritant

Method: OECD Guideline 405

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

# Safety Data Sheet

Revision date : April 25, 2016

Page: 6/8

Version: 1.0

Sensitization  
Guinea pig maximization test  
Species: guinea pig  
Result: Non-sensitizing.  
Method: OECD Guideline 406

## Chronic Toxicity/Effects

### Symptoms of Exposure

No significant symptoms are expected due to the non-classification of the product.

---

## 12. Ecological Information

### Toxicity

Toxicity to fish  
LC50 (96 h) > 100 mg/l, *Leuciscus idus*

Aquatic invertebrates  
EC50 (48 h) > 100 mg/l

Aquatic plants  
EC50 (72 h) > 100 mg/l

### Microorganisms/Effect on activated sludge

#### Toxicity to microorganisms

Inhibition of degradation activity in activated sludge is not to be anticipated during correct introduction of low concentrations.

### Persistence and degradability

Assessment biodegradation and elimination (H<sub>2</sub>O)  
is partially eliminated in sewage treatment plants

#### Elimination information

> 60 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EEC, C.4-C) Readily biodegradable.

### Mobility in soil

Assessment transport between environmental compartments  
The substance will not evaporate into the atmosphere from the water surface.

### Additional information

Other ecotoxicological advice:  
The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

# Safety Data Sheet

Revision date : April 25, 2016  
Version: 1.0

Page: 7/8

---

## 13. Disposal considerations

### Waste disposal of substance:

Dispose of in accordance with national, state and local regulations. It is the waste generator's responsibility to determine if a particular waste is hazardous under RCRA.

### Container disposal:

Dispose of in a licensed facility. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

---

## 14. Transport Information

### Land transport USDOT

Not classified as a dangerous good under transport regulations

### Sea transport IMDG

Not classified as a dangerous good under transport regulations

### Air transport IATA/ICAO

Not classified as a dangerous good under transport regulations

---

## 15. Regulatory Information

### Federal Regulations

#### Registration status:

Chemical TSCA, US released / listed

EPCRA 311/312 (Hazard categories): Not hazardous;

<u>CERCLA RQ</u>	<u>CAS Number</u>	<u>Chemical name</u>
100 LBS	75-56-9; 123-91-1	Propylene oxide; 1,4-dioxane
10 LBS	75-21-8	Ethylene Oxide

### State regulations

#### CA Prop. 65:

THIS PRODUCT CONTAINS A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

#### NFPA Hazard codes:

Health: 1 Fire: 1 Reactivity: 0 Special:

#### HMIS III rating

Health: 1 Flammability: 1 Physical hazard: 0

# Safety Data Sheet

Revision date : April 25, 2016  
Version: 1.0

Page: 8/8

---

## 16. Other Information