

# SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH) Article 31, Annex II as amended.

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

**Product name:**  
SITREN AIRVOID 301

**Chemical name:**  
Polyether

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

**Identified uses:** Industrial Use

**Uses advised against:** None known.

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

The product has been classified according to the legislation in force.

**Classification according to Regulation (EC) No 1272/2008 as amended.**

#### Health Hazards

Acute toxicity (Oral)	Category 4	H302: Harmful if swallowed.
Serious eye irritation	Category 2	H319: Causes serious eye irritation.

### 2.2 Label Elements

**Contains:** Oxirane, 2-ethyl-, polymer with Oxirane, 2-methyl-, and oxirane, monodecyl ether



**Signal Words:** Warning

**Hazard Statement(s):** H302: Harmful if swallowed.  
H319: Causes serious eye irritation.

**Precautionary Statements**

**Prevention:** P262: Do not get in eyes, on skin, or on clothing.  
P280: Wear eye protection/face protection.

**Response:** P330: Rinse mouth.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313: If eye irritation persists: Get medical advice/attention.

**2.3 Other hazards** None known.

**SECTION 3: Composition/information on ingredients**

**Chemical name:**  
Polyether

**3.2 Mixtures**

Chemical name	Concentration	CAS-No.	EC No.	REACH Registration No.	M-Factor:	Notes
Oxirane, 2-ethyl-, polymer with Oxirane, 2-methyl-, and oxirane, monodecyl ether	>=90 - <=100%	1234425-02-5		No data available.	No data available.	
Oxirane, 2-ethyl-, polymer with Oxirane, 2-methyl-, and oxirane, monomethyl ether	>=3 - <10%			No data available.	No data available.	

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

# This substance has workplace exposure limit(s).

## This substance is listed as SVHC

**Classification**

Chemical name	Classification	Notes
Oxirane, 2-ethyl-, polymer with Oxirane, 2-methyl-, and oxirane, monodecyl ether	Acute Tox.: 4: H302; Eye Irrit.: 2: H319;	No data available.
Oxirane, 2-ethyl-, polymer with Oxirane, 2-methyl-, and oxirane, monomethyl ether	Acute Tox.: 4: H302; Eye Irrit.: 2: H319;	No data available.

CLP: Regulation No. 1272/2008.

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The full text for all H-statements is displayed in section 16.

#### SECTION 4: First aid measures

**General:** Remove soiled or soaked clothing immediately

##### 4.1 Description of first aid measures

**Inhalation:** Ensure supply of fresh air. In the event of symptoms seek medical advice.

**Skin Contact:** In case of contact with skin wash off immediately with soap and water. In the event of symptoms seek medical advice.

**Eye contact:** In case of contact with eyes rinse thoroughly with plenty of water. If symptoms persist, seek medical advice.

**Ingestion:** Rinse out mouth and give plenty of water to drink. Call for medical advice immediately; show the container or the label.

**4.2 Most important symptoms and effects, both acute and delayed:** Serious eye irritation

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

**Hazards:** No data available.

**Treatment:** Treat symptomatically.

#### SECTION 5: Firefighting measures

##### 5.1 Extinguishing media

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

**Unsuitable extinguishing media:** Full water jet

**5.2 Special hazards arising from the substance or mixture:** In the event of fire the following can be released: - carbon dioxide, carbon monoxide

##### 5.3 Advice for firefighters

**Special fire fighting procedures:** No specific precautions.

**Special protective equipment for fire-fighters:** Do not inhale explosion and/or combustion gases. Self-contained breathing apparatus.

#### SECTION 6: Accidental release measures

**6.1 Personal precautions, protective equipment and emergency procedures:** Use personal protective equipment.

**6.1.1 For non-emergency personnel:** No data available.

**6.1.2 For emergency responders:** No data available.

- 6.2 Environmental Precautions:** Do not allow to enter drains or waterways Do not discharge into the subsoil/soil.
- 6.3 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.
- 6.4 Reference to other sections:** For further information on exposure monitoring and disposal see sections 8 and 13.

## SECTION 7: Handling and storage:

- 7.1 Precautions for safe handling:** Do not inhale gases/vapours/aerosols. Avoid contact with skin and eyes.  
No special measures necessary if stored and handled as prescribed.
- 7.2 Conditions for safe storage, including any incompatibilities:** Keep container tightly closed.
- 7.3 Specific end use(s):** No further recommendations.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control Parameters

#### Occupational Exposure Limits

None of the components have assigned exposure limits.

#### DNEL-Values

Remarks: No DNEL/DMEL values on file.

#### PNEC-Values

Remarks: No PNEC values on file.

### 8.2 Exposure controls

**Appropriate Engineering Controls:** No data available.

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

**Eye/face protection:** safety glasses

**Hand Protection:** Material: gloves made of nitril (NBR)  
Additional Information: The protective gloves to be worn must satisfy the specifications of EC Guideline 89/686/EEC and the resulting Standard EN374., Specific workplace situations must be considered separately.

**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.

**Environmental Controls:** The environmental regulations on the control and monitoring of environmental exposures are to be observed.

## SECTION 9: Physical and chemical properties

## 9.1 Information on basic physical and chemical properties

### Appearance

Physical state:	liquid
Form:	liquid
Color:	colourless to yellowish
Odor:	Characteristic
Odor Threshold:	not measured
pH:	6 - 8 (25 °C) in Water
Freezing point:	< 10 °C
Boiling Point:	> 200 °C
Flash Point:	> 200 °C (DIN EN 22719 (DIN 51758))
Evaporation Rate:	not measured
Flammability (solid, gas):	no data available
Flammability Limit - Upper (%):	not measured
Flammability Limit - Lower (%):	not measured
Vapor pressure:	not measured
Vapor density (air=1):	not measured
Density:	1.0 g/cm <sup>3</sup> (25 °C) (DIN 51757)
Relative density:	No data available.
Solubility(ies)	
Solubility in Water:	(25 °C) Soluble
Solubility (other):	not measured
Partition coefficient (n-octanol/water):	not measured
Self Ignition Temperature:	not measured
Decomposition Temperature:	not measured
Kinematic viscosity:	No data available.
Dynamic viscosity:	50 - 300 mPa.s (25 °C, DIN 53019)

## 9.2 Other information

Explosive properties:	not measured
Oxidizing properties:	not oxidizing
Minimum ignition temperature:	not measured
Metal Corrosion:	Not corrosive to metals

## SECTION 10: Stability and reactivity

10.1 Reactivity:	see section "Possibility of hazardous reactions"
10.2 Chemical Stability:	The product is stable under normal conditions.
10.3 Possibility of hazardous reactions:	No hazardous reactions with proper storage and handling.
10.4 Conditions to avoid:	Unknown
10.5 Incompatible Materials:	Unknown
10.6 Hazardous Decomposition Products:	None with proper storage and handling.

## SECTION 11: Toxicological information

### Information on likely routes of exposure

<b>Inhalation:</b>	If handled correctly, not a relevant route of exposure. Information on effects are given below.
<b>Skin Contact:</b>	Relevant route of exposure. Information on effects are given below.
<b>Eye contact:</b>	Relevant route of exposure. Information on effects are given below.
<b>Ingestion:</b>	If handled correctly, not a relevant route of exposure. Information on effects are given below.

## 11.1 Information on toxicological effects

### Acute toxicity

#### Oral

**Product:** Acute toxicity estimate: 500.25 mg/kg (Calculation method)

**Components:**

Oxirane, 2-ethyl-, polymer with Oxirane, 2-methyl-, and oxirane, monodecyl ether LD 50 (Rat): > 300 - < 2,000 mg/kg

Oxirane, 2-ethyl-, polymer with Oxirane, 2-methyl-, and oxirane, monomethyl ether LD 50 (Rat): > 300 - < 2,000 mg/kg

#### Dermal

**Product:** no data available

**Components:**

Oxirane, 2-ethyl-, polymer with Oxirane, 2-methyl-, and oxirane, monodecyl ether No data available.

Oxirane, 2-ethyl-, polymer with Oxirane, 2-methyl-, and oxirane, monomethyl ether No data available.

#### Inhalation

**Product:** no data available

**Components:**

Oxirane, 2-ethyl-, polymer with Oxirane, 2-methyl-, and oxirane, monodecyl ether No data available.

Oxirane, 2-ethyl-, polymer with Oxirane, 2-methyl-, and oxirane, monomethyl ether No data available.

#### Repeated dose toxicity

**Product:** No data available.

**Components:**

Oxirane, 2-ethyl-, polymer with Oxirane, 2-methyl-, and oxirane, monodecyl ether No data available.

Oxirane, 2-ethyl-, polymer with Oxirane, 2-methyl-, and oxirane, monomethyl ether No data available.

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**Skin Corrosion/Irritation:**

**Product:** no data available

**Components:**

Oxirane, 2-ethyl-, polymer with Oxirane, 2-methyl-, and oxirane, monodecyl ether OECD 404 (Rabbit): non-irritant

Oxirane, 2-ethyl-, polymer with Oxirane, 2-methyl-, and oxirane, monomethyl ether OECD 404 (Rabbit): non-irritant

**Serious Eye Damage/Eye Irritation:**

**Product:** no data available

**Components:**

Oxirane, 2-ethyl-, polymer with Oxirane, 2-methyl-, and oxirane, monodecyl ether Irritating.  
OECD 405 (Rabbit): Irritating.

Oxirane, 2-ethyl-, polymer with Oxirane, 2-methyl-, and oxirane, monomethyl ether OECD 405 (Rabbit): Irritating.

**Respiratory or Skin Sensitization:**

**Product:** no data available

**Components:**

Oxirane, 2-ethyl-, polymer with Oxirane, 2-methyl-, and oxirane, monodecyl ether No data available.

Oxirane, 2-ethyl-, polymer with Oxirane, 2-methyl-, and oxirane, monomethyl ether No data available.

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

**Product:** No data available.

**Components:**

Oxirane, 2-ethyl-, polymer with Oxirane, 2-methyl-, and oxirane, monodecyl ether No data available.

Oxirane, 2-ethyl-, polymer with Oxirane, 2-methyl-, and oxirane, monomethyl ether No data available.

**In vivo**

**Product:** No data available.

**Components:**

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Oxirane, 2-ethyl-, polymer with Oxirane, 2-methyl-, and oxirane, monodecyl ether No data available.

Oxirane, 2-ethyl-, polymer with Oxirane, 2-methyl-, and oxirane, monomethyl ether No data available.

### **Carcinogenicity**

**Product:** No data available.

#### **Components:**

Oxirane, 2-ethyl-, polymer with Oxirane, 2-methyl-, and oxirane, monodecyl ether No data available.

Oxirane, 2-ethyl-, polymer with Oxirane, 2-methyl-, and oxirane, monomethyl ether No data available.

### **Reproductive toxicity**

**Product:** No data available.

#### **Components:**

Oxirane, 2-ethyl-, polymer with Oxirane, 2-methyl-, and oxirane, monodecyl ether No data available.

Oxirane, 2-ethyl-, polymer with Oxirane, 2-methyl-, and oxirane, monomethyl ether No data available.

### **Specific Target Organ Toxicity - Single Exposure**

**Product:** no data available

#### **Components:**

Oxirane, 2-ethyl-, polymer with Oxirane, 2-methyl-, and oxirane, monodecyl ether No data available.

Oxirane, 2-ethyl-, polymer with Oxirane, 2-methyl-, and oxirane, monomethyl ether No data available.

### **Specific Target Organ Toxicity - Repeated Exposure**

**Product:** no data available

#### **Components:**

Oxirane, 2-ethyl-, polymer with Oxirane, 2-methyl-, and oxirane, monodecyl ether No data available.

Oxirane, 2-ethyl-, polymer with Oxirane, 2-methyl-, and oxirane, monomethyl ether No data available.



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**Aspiration Hazard**

**Product:** Not classified

**Components:**

Oxirane, 2-ethyl-, polymer with Oxirane, 2-methyl-, and oxirane, monodecyl ether No data available.

Oxirane, 2-ethyl-, polymer with Oxirane, 2-methyl-, and oxirane, monomethyl ether No data available.

**Other adverse effects:** Causes serious eye irritation. Harmful if swallowed.

**SECTION 12: Ecological information****12.1 Toxicity****Acute toxicity****Fish**

**Product:** No data available.

**Components**

Oxirane, 2-ethyl-, polymer with Oxirane, 2-methyl-, and oxirane, monodecyl ether No data available.

Oxirane, 2-ethyl-, polymer with Oxirane, 2-methyl-, and oxirane, monomethyl ether No data available.

**Aquatic Invertebrates**

**Product:** No data available.

**Components**

Oxirane, 2-ethyl-, polymer with Oxirane, 2-methyl-, and oxirane, monodecyl ether EC 50 (Daphnia magna (Water flea), 48 h): approx. 12.4 mg/l (OECD 202)

Oxirane, 2-ethyl-, polymer with Oxirane, 2-methyl-, and oxirane, monomethyl ether EC 50 (Daphnia magna (Water flea), 48 h): approx. 12.4 mg/l (OECD 202)

**Toxicity to Aquatic Plants**

**Product:** No data available.

**Components**

Oxirane, 2-ethyl-, polymer with Oxirane, 2-methyl-, and oxirane, monodecyl ether No data available.

Oxirane, 2-ethyl-, polymer with Oxirane, 2-methyl-, and oxirane, monomethyl ether No data available.

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### Toxicity to microorganisms

**Product:** No data available.

#### Components

Oxirane, 2-ethyl-, polymer with Oxirane, 2-methyl-, and oxirane, monodecyl ether No data available.

Oxirane, 2-ethyl-, polymer with Oxirane, 2-methyl-, and oxirane, monomethyl ether No data available.

### Chronic Toxicity

#### Fish

**Product:** No data available.

#### Components

Oxirane, 2-ethyl-, polymer with Oxirane, 2-methyl-, and oxirane, monodecyl ether No data available.

Oxirane, 2-ethyl-, polymer with Oxirane, 2-methyl-, and oxirane, monomethyl ether No data available.

#### Aquatic Invertebrates

**Product:** No data available.

#### Components

Oxirane, 2-ethyl-, polymer with Oxirane, 2-methyl-, and oxirane, monodecyl ether No data available.

Oxirane, 2-ethyl-, polymer with Oxirane, 2-methyl-, and oxirane, monomethyl ether No data available.

#### Toxicity to Aquatic Plants

**Product:** No data available.

#### Components

Oxirane, 2-ethyl-, polymer with Oxirane, 2-methyl-, and oxirane, monodecyl ether No data available.

Oxirane, 2-ethyl-, polymer with Oxirane, 2-methyl-, and oxirane, monomethyl ether No data available.

## 12.2 Persistence and Degradability

#### Biodegradation

**Product:** No data available.

#### BOD/COD Ratio

**Product:** No data available.

## Components

Oxirane, 2-ethyl-, polymer with Oxirane, 2-methyl-, and oxirane, monodecyl ether

No data available.

Oxirane, 2-ethyl-, polymer with Oxirane, 2-methyl-, and oxirane, monomethyl ether

No data available.

### 12.3 Bioaccumulative potential

#### Product:

No data available.

### 12.4 Mobility in soil:

No data available.

### 12.5 Results of PBT and vPvB assessment:

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Oxirane, 2-ethyl-, polymer with Oxirane, 2-methyl-, and oxirane, monodecyl ether

Non-classified vPvB substance Non-classified PBT substance

Oxirane, 2-ethyl-, polymer with Oxirane, 2-methyl-, and oxirane, monomethyl ether

Non-classified vPvB substance Non-classified PBT substance

### 12.6 Other adverse effects:

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

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### General information:

No data available.

#### 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.

## SECTION 14: Transport information

### 14.1 UN number

Not regulated as a dangerous good

### 14.2 UN proper shipping name

Not regulated as a dangerous good

### 14.3 Transport hazard class(es)

Not regulated as a dangerous good

### 14.4 Packing group

Not regulated as a dangerous good

#### 14.5 Environmental hazards

Not regulated as a dangerous good

#### 14.6 Special precautions for user

Not applicable

#### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable for product as supplied.

### SECTION 15: Regulatory information

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

**EU. Directive 2012/18/EU (SEVESO III) on major accident hazards involving dangerous substances, Annex I:** Not applicable

#### National Regulations

**15.2 Chemical safety assessment:** No chemical safety assessment was carried out for this product.

#### International regulations

### SECTION 16: Other information

#### Abbreviations and acronyms

**ADR** - European Agreement concerning the International Carriage of Dangerous Goods by Road; **ADN** - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; **AGW** - Occupational exposure limit; **ASTM** - American Society for Testing and Materials; **AwSV** - Ordinance on facilities for handling substances that are hazardous to water; **BSB** - Biochemical oxygen demand; **c.c.** - closed cup; **CAS** - Chemical Abstract Services; **CESIO** - European Committee of Organic Surfactants and their Intermediates; **CSB** - Chemical oxygen demand; **DMEL** - Derived minimum effect level; **DNEL** - Derived no effect level; **EbC50** - median concentration in terms of reduction of growth; **EC** - Effective concentration; **EINECS** - European Inventory of Existing Commercial Chemical Substances; **EN** - European norm; **ErC50** - median concentration in terms of reduction of growth rate; **GGVSEB** - German ordinance for road, rail and inland waterway transportation of dangerous goods; **GGVSee** - German ordinance for sea transportation of dangerous goods; **GLP** - Good Laboratory Practice; **GMO** - Genetic Modified Organism; **IATA** - International Air Transport Association; **ICAO** - International Civil Aviation Organization; **IMDG** - International Maritime Dangerous Goods; **ISO** - International Organization For Standardization; **LD/LC** - lethal dosis/concentration; **LOAEL** - Lowest observed adverse effect level; **LOEL** - Lowest observed effect level; **M-Factor** - multiplying factor; **NOAEL** - No observed adverse effect level; **NOEC** - no observed effect concentration; **NOEL** - no observed effect level; **o.c.** - open cup; **OECD** - Organisation for Economic Cooperation and Development; **OEL** - Occupational Exposure Limit; **PBT** - Persistent, bioaccumulative, toxic; **PNEC** - Predicted no effect concentration; **REACH** - REACH registration; **RID** - Convention concerning International Carriage by Rail; **SVHC** - Substances of Very High Concern; **TA** - Technical Instructions; **TRGS** - Technical Rules for Hazardous Substances; **vPvB** - very persistent, very bioaccumulative; **WGK** - Water Hazard Class

**Key literature references and sources for data:** No data available.

**Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]**

Classification according to Regulation (EC) No 1272/2008 as amended.	Classification procedure
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Acute toxicity, Category 4 Oral	Calculation method
Serious eye irritation, Category 2	Calculation method

**Wording of the H-statements in section 2 and 3**

H302	Harmful if swallowed.
H319	Causes serious eye irritation.

**Training information:** Comply with national laws regulating employee instruction.

**SDS No.:****Disclaimer:**

This information and all further technical advice is based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.