

# SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006

Revision Date 14.08.2016 Version 1.0

---

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

### 1.1 Product identifier

Catalogue No. 1810-921  
Product name Xenoic™ ASUREX-AS1 solution  
REACH Registration Number This product is a mixture. REACH Registration Number see section 3.

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

Identified uses Biochemical research/analysis, Reagent for analysis  
For additional information on uses please refer to the Diduco website  
(www.diduco.com).

### 1.3 Details of the supplier of the safety data sheet

Company Diduco AB \* Tvistevägen 48C \* 90736 Umeå \* Sweden  
Phone:+46 70 578 3490 \* e-mail: info@diduco.com

**1.4 Emergency telephone** Please contact the regional company representation in your country.

---

## SECTION 2. Hazards identification

### 2.1 Classification of the substance or mixture

**Classification (REGULATION (EC) No 1272/2008)**

Skin irritation, Category 2, H315

Eye irritation, Category 2, H319

For the full text of the H-Statements mentioned in this Section, see Section 16.

### 2.2 Label elements

**Labelling (REGULATION (EC) No 1272/2008)**

*Hazard pictograms*



*Signal word*

Warning

*Hazard statements*

H315 Causes skin irritation.

H319 Causes serious eye irritation.

*Precautionary statements*

Response

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

SAFETY DATA SHEET  
according to Regulation (EC) No. 1907/2006

Catalogue No. 1810-921  
Product name Xenoic™ ASUREX-AS1solution

---

**Reduced labelling ( $\leq 125$  ml)**

*Hazard pictograms*



*Signal word*

Warning

**Labelling (67/548/EEC or 1999/45/EC)**

The product does not need to be labeled in accordance with EC directives or respective national laws.

**2.3 Other hazards**

None known.

---

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

Chemical nature Aqueous solution of organic compounds.

**3.1 Substance**

not applicable

**3.2 Mixture**

**Hazardous components (REGULATION (EC) No 1272/2008)**

*Chemical Name (Concentration)*

CAS-No. Registration number Classification

*polymer of 4-ethenylbenzene sulfuonic acid (homopolymer) (> 1 % - < 5 % )*

28210-41-5 \*) Skin corrosion, Category 1B, H314

\*) A registration number is not available for this substance as the substance or its use are exempted from registration according to Article 2 REACH Regulation (EC) No 1907/2006, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.

For the full text of the H-Statements mentioned in this Section, see Section 16.

**Hazardous components (1999/45/EC)**

*Chemical Name (Concentration)*

CAS-No. Classification

*polymer of 4-ethenylbenzene sulfuonic acid (homopolymer) (> 1 % - < 5 % )*

28210-41-5 C, Corrosive; R34

For the full text of the R-phrases mentioned in this Section, see Section 16.

---

**SECTION 4. First aid measures**

SAFETY DATA SHEET  
according to Regulation (EC) No. 1907/2006

Catalogue No. 1810-921  
Product name Xenoic™ ASUREX-AS1solution

---

**4.1 Description of first aid measures**

After inhalation: fresh air. Consult doctor if feeling unwell.

After skin contact: wash off with plenty of water. Remove contaminated clothing.

After eye contact: rinse out with plenty of water. Call in ophthalmologist.

After swallowing: immediately make victim drink water (two glasses at most). Consult a physician.

**4.2 Most important symptoms and effects, both acute and delayed irritant effects**

No information available.

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

No information available.

---

**SECTION 5. Firefighting measures**

**5.1 Extinguishing media**

*Suitable extinguishing media*

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

*Unsuitable extinguishing media*

For this substance/mixture no limitations of extinguishing agents are given.

**5.2 Special hazards arising from the substance or mixture**

Not combustible.

Ambient fire may liberate hazardous vapours.

**5.3 Advice for firefighters**

*Special protective equipment for firefighters*

Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

---

**SECTION 6. Accidental release measures**

**6.1 Personal precautions, protective equipment and emergency procedures**

Advice for non-emergency personnel: Avoid substance contact. Do not breathe vapours, aerosols. Evacuate the danger area, observe emergency procedures, consult an expert.

Advice for emergency responders: Protective equipment see section 8.

**6.2 Environmental precautions**

No special precautionary measures necessary.

**6.3 Methods and materials for containment and cleaning up**

Observe possible material restrictions (see sections 7 and 10).

Take up with liquid-absorbent material (e.g. Chemizorb®). Dispose of properly. Clean up affected area.

**6.4 Reference to other sections**

Indications about waste treatment see section 13.

**SAFETY DATA SHEET**  
according to Regulation (EC) No. 1907/2006

Catalogue No. 1810-921  
Product name Xenoic™ ASUREX-AS1solution

---

**SECTION 7. Handling and storage**

**7.1 Precautions for safe handling**

*Advice on safe handling*

Observe label precautions.

*Hygiene measures*

Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with substance.

**7.2 Conditions for safe storage, including any incompatibilities**

*Storage conditions*

Tightly closed.

Storage temperature: no restrictions.

**7.3 Specific end use(s)**

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

---

**SECTION 8. Exposure controls/personal protection**

**8.1 Control parameters**

**8.2 Exposure controls**

**Engineering measures**

Technical measures and appropriate working operations should be given priority over the use of personal protective equipment.

See section 7.1.

**Individual protection measures**

Protective clothing needs to be selected specifically for the workplace, depending on concentrations and quantities of the hazardous substances handled. The chemical resistance of the protective equipment should be enquired at the respective supplier.

*Eye/face protection*

Safety glasses

*Hand protection*

full contact:

Glove material:	Nitrile rubber
Glove thickness:	0.11 mm
Break through time:	> 480 min

splash contact:

Glove material:	Nitrile rubber
Glove thickness:	0.11 mm
Break through time:	> 480 min

The protective gloves to be used must comply with the specifications of EC Directive 89/686/EEC and the related standard EN374, for example KCL 741 Dermatril® L (full contact), KCL 741 Dermatril® L (splash contact).

**SAFETY DATA SHEET**  
according to Regulation (EC) No. 1907/2006

Catalogue No. 1810-921  
Product name Xenoic™ ASUREX-AS1solution

---

This recommendation applies only to the product stated in the safety data sheet (>,<) supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: [www.kcl.de](http://www.kcl.de)).

*Other protective equipment*  
protective clothing

*Respiratory protection*  
required when vapours/aerosols are generated.

Recommended Filter type: filter ABEK

The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.

---

**SECTION 9. Physical and chemical properties**

**9.1 Information on basic physical and chemical properties**

Form	viscous
Colour	light yellow
Odour	odourless
Odour	Threshold No information available.
pH	2 at 20 °C
Melting point	0 °C
Boiling point/boiling range	100 °C at 1.013 hPa
Flash point	No information available.
Evaporation rate	No information available.
Flammability (solid, gas)	not applicable
Lower explosion limit	No information available.
Upper explosion limit	No information available.
Vapour pressure	No information available.
Relative vapor density	No information available.
Relative density	ca.1 g/cm <sup>3</sup> at 20 °C
Water solubility	soluble at 20 °C

SAFETY DATA SHEET  
according to Regulation (EC) No. 1907/2006

Catalogue No. 1810-921  
Product name Xenoic™ ASUREX-AS1solution

---

Partition coefficient: n-octanol/water	No information available.
Auto-ignition temperature	No information available.
Decomposition temperature	No information available.
Viscosity, dynamic	No information available.
Explosive properties	Not classified as explosive.
Oxidizing properties	none

**9.2 Other data**

none

---

**SECTION 10. Stability and reactivity**

**10.1 Reactivity**

See section 10.3

**10.2 Chemical stability**

The product is chemically stable under standard ambient conditions (room temperature) .

**10.3 Possibility of hazardous reactions**

Because of low concentration of the dissolved substance(s): none; exception: the generally known reaction partners of water.

**10.4 Conditions to avoid**

no information available

**10.5 Incompatible materials**

no information available

**10.6 Hazardous decomposition products**

no information available

---

**SECTION 11. Toxicological information**

**11.1 Information on toxicological effects**

Mixture

*Acute oral toxicity*

This information is not available.

*Acute inhalation toxicity*

Symptoms: Possible damages: , mucosal irritations

SAFETY DATA SHEET  
according to Regulation (EC) No. 1907/2006

Catalogue No. 1810-921  
Product name Xenoic™ ASUREX-AS1solution

---

*Acute dermal toxicity*

This information is not available.

*Skin irritation*

Causes skin irritation.

*Eye irritation*

Causes serious eye irritation.

*Sensitisation*

This information is not available.

*Germ cell mutagenicity*

This information is not available.

*Carcinogenicity*

This information is not available.

*Reproductive toxicity*

This information is not available.

*Teratogenicity*

This information is not available.

*Specific target organ toxicity - single exposure*

This information is not available.

*Specific target organ toxicity - repeated exposure*

This information is not available.

*Aspiration hazard*

This information is not available.

**11.2 Further information**

Other dangerous properties can not be excluded.

Handle in accordance with good industrial hygiene and safety practice.

**Components**

*polymer of 4-ethenylbenzene sulfuonic acid (homopolymer)*

No information available.

---

**SECTION 12. Ecological information**

**Mixture**

**12.1 Toxicity**

No information available.

**12.2 Persistence and degradability**

No information available.

**12.3 Bioaccumulative potential**

No information available.

**12.4 Mobility in soil**

No information available.

**12.5 Results of PBT and vPvB assessment**

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

**12.6 Other adverse effects**

*Additional ecological information*

No ecological problems are to be expected when the product is handled and used with due care and attention.

**SAFETY DATA SHEET**  
according to Regulation (EC) No. 1907/2006

Catalogue No. 1810-921  
Product name Xenoic™ ASUREX-AS1solution

---

**Components**

*polymer of 4-ethenylbenzene sulfuonic acid (homopolymer)*

No information available.

---

**SECTION 13. Disposal considerations**

*Waste treatment methods*

See [www.retrologistik.com](http://www.retrologistik.com) for processes regarding the return of chemicals and containers, or contact us there if you have further questions.

---

**SECTION 14. Transport information**

**Land transport (ADR/RID)**

**14.1 - 14.6** Not classified as dangerous in the meaning of transport regulations.

Inland waterway transport (ADN)

Not relevant

**Air transport (IATA)**

**14.1 - 14.6** Not classified as dangerous in the meaning of transport regulations.

**Sea transport (IMDG)**

**14.1 - 14.6** Not classified as dangerous in the meaning of transport regulations.

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

Not relevant

---

**SECTION 15. Regulatory information**

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

*EU regulations*

Major Accident Hazard 96/82/EC

Legislation Directive 96/82/EC does not apply

*National legislation*

Storage class 10 - 13

**15.2 Chemical Safety Assessment**

For this product a chemical safety assessment was not carried out.

---

**SECTION 16. Other information**

**Full text of H-Statements referred to under sections 2 and 3.**

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

**Full text of R-phrases referred to under sections 2 and 3**

R34 Causes burns.



**SAFETY DATA SHEET**  
according to Regulation (EC) No. 1907/2006

Catalogue No. 1810-921  
Product name Xenoic™ ASUREX-AS1solution

---

**Training advice**

Provide adequate information, instruction and training for operators.

**Key or legend to abbreviations and acronyms used in the safety data sheet**

Used abbreviations and acronyms can be looked up at [www.wikipedia.org](http://www.wikipedia.org).

**Regional representation**

This information is given on the authorised Safety Data Sheet for your country.