

# SAFETY DATA SHEET

## ELFACOS GT 282 S

Version 1

Revision Date 06/09/2014

Print Date 12/08/2014

US / Z8

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : ELFACOS GT 282 S

Product Use Description : Thickening agent

Company : Akzo Nobel Surface Chemistry AB  
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Stenungsund 444 85  
Sweden

Telephone : +4630385000

Fax : +4630384659

E-mail address : Regulatory.Affairs@akzonobel.com

Emergency telephone : 020 99 60 00 Kemiakuten, SE +31 57 06 79 211 AkzoNobel, NL

### 2. HAZARDS IDENTIFICATION

#### Emergency Overview

Appearance	pellets
Color	No information available.
Odor	slight
Hazard Summary	Risk of dust explosion.



#### GHS Classification

Eye irritation : Category 2A

Acute aquatic toxicity : Category 2

Chronic aquatic toxicity : Category 2

#### GHS Label element

Hazard pictograms :  

Signal Word : Warning

Hazard Statements : H319 Causes serious eye irritation.  
H411 Toxic to aquatic life with long lasting effects.

Precautionary Statements : **Prevention:**  
P264 Wash skin thoroughly after handling.  
P273 Avoid release to the environment.  
P280 Wear eye protection/ face protection.

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## Response:

P337 + P313 If eye irritation persists: Get medical advice/attention.

P391 Collect spillage.

## Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

## Potential Health Effects

- |                              |   |  |
|------------------------------|---|--|
| Inhalation                   | : | Inhalation of aerosols may cause irritation to mucous membranes.<br>Thermal decomposition can lead to release of irritating gases and vapors.<br>Product dust may be irritating to respiratory system. |
| Skin                         | : | Product dust may be irritating to skin.<br>May cause skin irritation.  |
| Eyes                         | : | Causes serious eye irritation.   |
| Ingestion                    | : | May cause irritation of the mucous membranes.  |
| Aggravated Medical Condition | : | None known.  |
| Symptoms of Overexposure     | : | No information available.  |

## Carcinogenicity:

- |       |   |  |
|-------|---|--|
| IARC  | : | No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. |
| OSHA  | : | No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.             |
| NTP   | : | No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.                  |
| ACGIH | : | No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.            |

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Hazardous ingredients

Chemical Name	CAS-No.	Classification	Concentration [%]
Proprietary glycol		Eye Irrit. 2A; H319 Aquatic Acute 2; H401 Aquatic Chronic 2; H411	90 - 100

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

### 4. FIRST AID MEASURES

- General advice : Move out of dangerous area.  
Consult a physician.  
Show this material safety data sheet to the doctor in attendance.
- Inhalation : Remove to fresh air.  
Keep patient warm and at rest.  
Rinse nose and mouth with water.
- Skin contact : Take off contaminated clothing and shoes immediately.  
Rinse immediately with plenty of water.
- Eye contact : Rinse with plenty of water.  
Remove contact lenses.  
Protect unharmed eye.  
Keep eye wide open while rinsing.  
Obtain medical attention.
- Ingestion : Clean mouth with water and drink afterwards plenty of water.  
Never give anything by mouth to an unconscious person.  
Obtain medical attention.

#### Notes to physician

- Symptoms : No information available.
- Risks : No information available.
- Treatment : No information available.

### 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Specific hazards during fire fighting / Specific hazards arising from the chemical : Do not allow run-off from fire fighting to enter drains or water courses.  
Risks of ignition followed by flame propagation or secondary explosions shall be prevented by avoiding accumulation of dust, e.g. on floors and ledges.
- Combustion products : Carbon oxides

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Special protective equipment for fire-fighters : Wear self-contained breathing apparatus and protective suit.

Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

See also Section 9. Physical and chemical properties: Safety data

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## 6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Use personal protective equipment.  
Avoid dust formation.  
Avoid breathing dust.  
Ensure adequate ventilation.

Environmental precautions : Do not flush into surface water or sanitary sewer system.  
If the product contaminates rivers and lakes or drains inform respective authorities.

Methods for cleaning up /  
Methods for containment : Pick up and arrange disposal without creating dust.  
Keep in suitable, closed containers for disposal.

Additional advice : For personal protection see section 8.

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## 7. HANDLING AND STORAGE

### Handling

Advice on safe handling : For personal protection see section 8.  
Avoid formation of respirable particles.  
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
Smoking, eating and drinking should be prohibited in the application area.  
Dispose of rinse water in accordance with local and national regulations.  
Avoid contact with skin, eyes and clothing.

Advice on protection against fire and explosion : Provide appropriate exhaust ventilation at places where dust is formed.  
No sparking tools should be used.

### Storage

Requirements for storage areas and containers : Store in original container.  
Keep in a dry place.  
Store between 40-77°F (5-25°C).  
Keep container tightly closed.

Other data : No decomposition if stored and applied as directed.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines

Contains no substances with occupational exposure limit values.

**Engineering measures**

Provide appropriate exhaust ventilation at places where dust is formed.

Ensure that eyewash stations and safety showers are close to the workstation location.

**Personal protective equipment**

Eye/face protection : Tightly fitting safety goggles

Hand protection : Glove material: Neoprene  
: Glove material: Nitrile rubber

Skin and body protection : Protective suit

Respiratory protection : Half mask with a particle filter P2 (EN 143).

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.  
When using do not eat or drink.  
When using do not smoke.  
Wash hands before breaks and at the end of workday.

**Environmental exposure controls**

General advice : Do not flush into surface water or sanitary sewer system.  
If the product contaminates rivers and lakes or drains inform respective authorities.

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**9. PHYSICAL AND CHEMICAL PROPERTIES****Appearance**

Form : pellets

Color : No information available.

Odor : slight

Odor Threshold : No data available

**Safety data**

pH : not applicable

Melting point/range : 48 °C

Boiling point/boiling range : not applicable

Flash point : not applicable

Ignition temperature : > 100 °C

Evaporation rate : not applicable

Flammability (solid, gas) : No data available

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Lower explosion limit	: No data available
Upper explosion limit	: No data available
Vapor pressure	: not applicable
Relative vapor density	: not applicable
Density	: 1,070 kg/m3 at 25 °C
Relative density	: No data available
Bulk density	: 550 kg/m3
Water solubility	: soluble
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: No data available
Autoignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, dynamic	: at 20 °C not applicable
Viscosity, kinematic	: at 20 °C not applicable
Explosive properties	: Not explosive
Oxidizing properties	: The substance or mixture is not classified as oxidizing.

This material safety datasheet only contains information relating to safety and does not replace any product information or product specification.

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## 10. STABILITY AND REACTIVITY

Conditions to avoid	: None known.
Materials to avoid	: None known.
Hazardous decomposition products	: No hazardous decomposition products are known.
Thermal decomposition	: No data available
Reactivity	: Stable under normal conditions.
Chemical stability	: Stable under recommended storage conditions.
Hazardous reactions	: Dust may form explosive mixture in air.

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## 11. TOXICOLOGICAL INFORMATION

### PRODUCT INFORMATION:

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## Toxicology Assessment

Further information : No further data available.

## Carcinogenicity:

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- OSHA** : No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
- NTP** : No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
- ACGIH** : No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

## TOXICOLOGY DATA FOR THE INGREDIENTS:

### Test result

#### Component: Proprietary glycol

- Acute oral toxicity : LD50: > 5,000 mg/kg  
Species: rat  
Read-across (Analogy)
- Eye irritation : Result: Irritating to eyes.
- Sensitization : Result: Does not cause skin sensitization.
- Germ cell mutagenicity  
Genotoxicity in vitro : Ames test  
Result: negative

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## 12. ECOLOGICAL INFORMATION

### PRODUCT INFORMATION:

#### Ecotoxicology Assessment

- Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.  
Toxic to aquatic life with long lasting effects.

#### Further information on ecology

#### Hazardous to the ozone layer

- Regulation : 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances
- Remarks : This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

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## INGREDIENTS:

### Test result

#### Component: Proprietary glycol

#### Ecotoxicity effects

Toxicity to fish : LC50: > 1 - 10 mg/l  
Exposure time: 96 h  
Species: Fish

#### Elimination information (persistence and degradability)

Bioaccumulation : No data available

Mobility : No data available

Biodegradability : Result: Not readily biodegradable.

#### Further information on ecology

Biochemical Oxygen Demand (BOD) : No data available

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## 13. DISPOSAL CONSIDERATIONS

Product : The product should not be allowed to enter drains, water courses or the soil.  
Do not contaminate ponds, waterways or ditches with chemical or used container.  
Hazardous waste  
Dispose of contents/container in accordance with local regulation.

: Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.

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## 14. TRANSPORT INFORMATION

### International regulation

#### IATA-DGR

UN/ID No. : UN 3077  
Proper shipping name : Environmentally hazardous substance, solid, n.o.s.  
(Alkyl polyethylenglycol tetradecylenglycolether)  
Class : 9  
Packing group : III  
Labels : 9



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Packing instruction (cargo aircraft) : 956  
Packing instruction (passenger aircraft) : 956  
Packing instruction (LQ) : Y956  
Environmentally hazardous : yes

## IMDG-Code

UN number : UN 3077  
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.  
(Alkyl polyethylenglycol tetradecylenglycolether)  
Class : 9  
Packing group : III  
Labels : 9  
EmS Code : F-A, S-F  
Marine pollutant : yes  
(Alkyl polyethylenglycol tetradecylenglycolether)

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

Not applicable for product as supplied.

## Domestic regulation

### 49 CFR

UN/ID/NA number : UN 3077  
Proper shipping name : Environmentally hazardous substance, solid, n.o.s.  
(Alkyl polyethylenglycol tetradecylenglycolether)  
Class : 9  
Packing group : III  
Labels : 9  
ERG Code : 171  
Marine pollutant : yes  
(Alkyl polyethylenglycol tetradecylenglycolether )  
Reportable Quantity : This product does not contain an environmentally hazardous substance per 49 CFR 172.101, Appendix A.

## 15. REGULATORY INFORMATION

### Notification status

CH INV : NO. Not in compliance with the inventory  
TSCA : YES. All chemical substances in this product are either listed on the TSCA Inventory or in compliance with a TSCA Inventory exemption.  
DSL : NO. This product contains the following components that are not on the Canadian DSL nor NDSL.  
AICS : NO. Not in compliance with the inventory  
NZIoC : YES. On the inventory, or in compliance with the inventory  
ENCS : YES. On the inventory, or in compliance with the inventory  
ISHL : YES. On the inventory, or in compliance with the inventory  
KECI : NO. Not in compliance with the inventory  
PICCS : NO. Not in compliance with the inventory  
IECSC : YES. On the inventory, or in compliance with the inventory

For explanation of abbreviations, see section 16.

**OSHA Hazards** : Severe eye irritant

### EPCRA - Emergency Planning and Community Right-to-Know

### CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

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## SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

**SARA 311/312 Hazards** : Acute Health Hazard

**SARA 302** : SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313** : SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

## Clean Air Act

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM Intermediate or Final VOC's (40 CFR 60.489).

## Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

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## California Prop. 65

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

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## 16. OTHER INFORMATION

### Full text of H-Statements

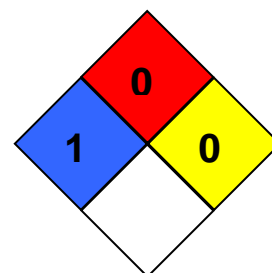
H319 : Causes serious eye irritation.  
H401 : Toxic to aquatic life.  
H411 : Toxic to aquatic life with long lasting effects.

### Further information

**HMIS Classification** : Health Hazard: 1  
Flammability: 0  
Physical hazards: 0

**NFPA Classification**

: Health Hazard: 1  
Fire Hazard: 0  
Reactivity Hazard: 0

**Notification status explanation**

REACH	1907/2006 (EU)
CH INV	Switzerland. New notified substances and declared preparations
TSCA	United States TSCA Inventory
DSL	Canadian Domestic Substances List (DSL)
AICS	Australia Inventory of Chemical Substances (AICS)
NZIoC	New Zealand. Inventory of Chemical Substances
ENCS	Japan. ENCS - Existing and New Chemical Substances Inventory
ISHL	Japan. ISHL - Inventory of Chemical Substances (METI)
KECI	Korea. Korean Existing Chemicals Inventory (KECI)
PICCS	Philippines Inventory of Chemicals and Chemical Substances (PICCS)
IECSC	China. Inventory of Existing Chemical Substances in China (IECSC)

**Further information**

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