

## SAFETY DATA SHEET

This Safety Data Sheet complies with Annex II of  
830/2015 amending EC No.  
1907/2006, Commission Regulation (EU) 2019/521  
amending CLP directive 1272/2008, also in  
accordance with ISO 11014-1 and ANSI Z400.1

Issued: 2021-05-17



## GLIDEX EXTRA II

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

#### 1.1. Product identifier

**Trade name** GLIDEX EXTRA II

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

**Use** Fluid for cooling systems in engines of all types of cars

**Not suitable for use in** Other than mentioned in section 1.2.1.

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

**SDS created by** TDS Team

**Supplier** ESAB AB

**Street address** Box 8004  
402 77 Göteborg  
Sweden

**Telephone** +46 31 509000

**Email** sdsrequest@esab.com

**Web site** www.esab.com

#### 1.4. Emergency telephone number

**Emergency phone number** +46 31 509000

**Available outside office hours** No

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

**Hazard statements** H302

**Description**

#### 2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

**Hazard pictograms**



**Signal word** Warning

**Hazard statements** H302 Harmful if swallowed.

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### GLIDEX EXTRA II

#### Precautionary statements

P264 Wash hands thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P330 Rinse mouth.  
P501 Dispose of contents/container to by lawful and appropriate disposal method.  
P301 + P312 IF SWALLOWED: Call a POISON CENTER/doctor/physician if you feel unwell.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P302 + P352 IF ON SKIN: Wash with plenty of water/soap.  
P312 Call a POISON CENTER/doctor/physician if you feel unwell.  
P321 Specific treatment (see product documents and other caution on this label).  
P362 Take off contaminated clothing.  
P364 And wash it before reuse.  
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P271 Use only outdoors or in a well-ventilated area.  
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

#### 2.3. Other hazards

##### Other hazards

Health hazards: product is classified as hazardous to health, harmful if swallowed, may cause damage to kidneys through prolonged or repeated exposure by swallowing  
Environment hazards: product isn't classified as hazardous to environment  
Physical/Chemical hazards: product isn't classified as hazardous, product contains flammable ingredients  
Fire hazards: vapours form flammable/explosive mixtures with air.

#### Other

##### Other

The mixture doesn't meet the criteria for PBT or vPvB in accordance with Annex XIII of REACH Regulation.

## SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

Chemical name	CAS No. EC No. REACH No. Index No.	Concentration	Classification	H-phrase M factor acute M factor chronic	Note
Ethylene Glycol	107-21-1 203-473-3 - -	40 - 50%	Acute Tox. 4 - oral	H302 - -	-

##### Product based on

The product is a mixture.

##### Substance additional information

Unlisted ingredient(s) in this product is not classified as hazardous according to the regulatory criteria as required and defined in GHS, CLP & OSHA Hazard Communication (29 CFR Part 1910.1200) Standard / Regulations

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### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### Inhalation

If exposed, move victim to fresh air. Keep warm and quiet. Consult with doctor. Conscious person placed in a rest half seated, ensure calm and warm, unconscious person lay in the recovery position.

##### Skin contact

Remove contaminated clothing. Contaminated areas of the skin wash thoroughly water with soap. In case of irritation consult a doctor.

##### Eye contact

Flush contaminated eyes with wide-open eyelids a continuous stream of water for about 15 minutes. In the case of persistent irritation consult an ophthalmologist.

##### Ingestion

Immediately seek and provide medical advice. Rinse mouth thoroughly with water. Do not induce vomiting. Give to drink a glass of water.

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

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

Acute symptoms : when swallowed early symptoms mimic alcohol inebriation and are followed by nausea, vomiting, abdominal pain, weakness, muscle tenderness, respiratory failure, convulsions, cardiovascular collapse, pulmonary oedema, hypocalcemic tetany, and severe metabolic acidosis.

Exposure to and/or consumption of alcohol may increase toxic effects.

Contact with product can cause mild irritation of the skin, eyes, respiratory tract, with higher concentrations may have impaired balance and coordination  
Delayed symptoms: disorders of the central nervous system, liver damage

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

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

Note to Physician: No specific antidote, treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

##### Suitable extinguishing media

Suitable extinguishing agents: CO<sub>2</sub>, powders and foam alcohol resistant, water spray, sand  
Extinguishing media which must not be used for safety reasons: a strong jet of water – the risk of fire spreading

#### 5.2. Special hazards arising from the substance or mixture

##### Special hazards arising from the substance or mixture

The combustion of the product may produce carbon oxides, other harmful gases. Avoid inhalation of combustion products, may pose a threat to health.

#### 5.3. Advice for firefighters

##### Special protective equipment for fire-fighters

strictly apply the breathing apparatus and protective clothing for fire fighting or during clean-up work immediately after a fire in an enclosed or poorly ventilated areas.

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### Other

#### Other

General: inform about the fire, call the appropriate emergency services. Remove from the endangered area unauthorized persons, not involved in extinguishing the fire, order evacuation if necessary.

Additional notes: vapours of product form explosive mixtures with air. Tanks and packaging which are not covered by the fire, exposed to fire or high temperature should be cooled by water from a safe distance and if possible removed from the hazardous area.

Fire residues and contaminated waters dispose in according to applicable regulations. Do not introduce contaminated waters into drains

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### Personal precautions, protective equipment and emergency procedures

Use personal protective equipment, especially respiratory protection in case of vapour/fumes/aerosols of product. Avoid direct contact with releasing product. Avoid breathing vapours. Inform about the accident, call the appropriate emergency services (e.g. Fire Brigade, Police). Remove from the hazardous area all persons not taking part in the emergency, order evacuation if necessary. Remove sources of ignition, announce prohibition of smoking and using sparking tools. Provide adequate ventilation. When the concentration of hazardous substance is fixed and known, the selection of personal protective equipment should be made taking into account the concentration of the substance present in a given workplace, exposure time, the activities performed by the employee and the recommendations given by the manufacturer of personal protective equipment. In an emergency situation or where the concentration in the workplace is not known, use personal protection isolating body (tight suit completed with isolating respiratory protective equipment.)

### 6.2. Environmental precautions

#### Environmental precautions

Do not allow to enter drains, groundwater, soil and open water courses. Do not empty into drains.

### 6.3. Methods and material for containment and cleaning up

#### Methods and material for containment and cleaning up

In case of container leakage, spillage of the product, protect the source of leak, pour the product into an empty container or place damaged container in an emergency one. Small amounts of spilled liquid soak up with non-flammable, absorbent material (sand, diatomite, universal binders, etc.) gather in closed container for proper disposal. Perform clean-up work with adequate Ventilation.

### 6.4. Reference to other sections

#### Reference to other sections

Refer to section 8/13

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Preventive handling precautions

Avoid contact with product, avoid vapour inhalation. Ensure adequate ventilation /exhaust in the workplace, prevent the formation of harmful concentrations of vapours in the air, work in well ventilated areas. Ventilate workplace in such a way that the Occupational Exposure Limit (OEL) is not exceeded. Observe good personal hygiene and wear protective clothing in accordance with information set out in section

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#### General hygiene

Industrial hygiene: ensure good ventilation (overall and local exhausted ventilation), ensure place for eyes and skin rinsing, wash hands with soap and water before eating, smoking and after work, use general caution while working with chemical substances.

#### 7.2. Conditions for safe storage, including any incompatibilities

##### Conditions for safe storage, including any incompatibilities

Store only in properly labelled, sealed containers in a well ventilated warehouse. Protect against heat, contact with potential sources of ignition, direct sunlight. Storage temperature < 50°C. At the warehouse not smoke, eat, use open flame and sparking tools. Store away from oxidizers, incompatible materials (see section 10).  
Keep the product away from children, food, beverage and animal feed.

#### 7.3. Specific end use(s)

##### Specific end use(s)

See section 1.2.

##### Other

##### Other

Special measures for protection against fire and explosion: Prevent formation of explosive concentrations of vapours in the air, eliminate sources of ignition - don't use open flames, don't smoke.

## SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### Exposure limits

Use industrial hygiene monitoring equipment to ensure that exposure does not exceed applicable national exposure limits. The following limits can be used as guidance. Unless noted, all values are for 8 hour time weighted averages (TWA).

##### National occupational exposure limits

Ingredient	CAS No. EC No.	Exposure limit ppm / mg/m <sup>3</sup>	Short-term exposure limit ppm / mg/m <sup>3</sup>	Source	Remark	Year
Ethylene Glycol	107-21-1 203-473-3	- -	- -	OSHA	NO PEL	2019
Ethylene glycol	107-21-1 203-473-3	- -	- -	ACGIH	-	2019

#### 8.2. Exposure controls

##### Appropriate engineering controls

Use engineering controls to reduce air contamination to permissible exposure level.  
Explosion-proof general and local exhaust ventilation.

##### Eye / face protection

recommended protective glasses

##### Hand protection

required protective gloves in case of prolonged or frequently repeated exposure to the product. Wear protective gloves made of: butyl rubber, neoprene, nitrile rubber, polyvinylchloride, thickness min. 0,4 – 0,7mm. The Breakthrough Time > 480 min. Material of gloves must be resistant to the product. As the product is a mixture of several substances, the resistance of material of gloves can not be calculated in advance and therefore has to be checked before use. From the manufacturer's advice should be obtained information about the time of the penetration of substances and such time must be respected. The Breakthrough Time indicated by the manufacturer must exceed the period during which the product is being used. It is recommended to change gloves and replace the immediately if you notice any signs of wear, damage (rupture, perforation) or changes in appearance (colour, flexibility, shape).

##### Other skin protection

recommended protective clothing

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#### Respiratory protection

Respiratory protection is not necessary under normal conditions with sufficient ventilation, required during exposure to high concentrations of vapours. Wear mask or respirator completed with the filter type A

#### Environmental exposure controls

Do not allow to enter large amounts of product into ground water, sewage, waste water or soil.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

#### Physical state

Liquid

#### Colour

Not applicable

#### Odour

Not applicable

#### Odour threshold

65 mg/m<sup>3</sup> (for ethylene glycol)

#### Melting point / freezing point

Not applicable

#### Boiling point or initial boiling point and boiling range

Not applicable

#### Flammability

Not applicable

#### Lower and upper explosion limit

LEL: 4,9 % vol. ; UEL: 14,6 % vol. reg. for ethylene glycol

#### Flash point

Not applicable

#### Auto-ignition temperature

Not applicable

#### Decomposition temperature

Not applicable

#### pH

Not applicable

#### Kinematic viscosity

Not applicable

#### Solubility

Not applicable

#### Partition coefficient n-octanol/water

Not applicable

#### Vapour pressure

Not applicable

#### Density and/or relative density

Not applicable

#### Relative vapour density

Not applicable

#### Evaporation Rate

Not applicable

#### Explosive properties

vapours of product form explosive mixtures with air

#### Oxidising properties

Not applicable

### 9.2. Other information

Not applicable

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## GLIDEX EXTRA II

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Not applicable

#### 10.2. Chemical stability

##### Chemical stability

Product is chemically stable; it does not decompose under normal conditions (pressure and temperature)

#### 10.3. Possibility of hazardous reactions

##### Possibility of hazardous reactions

Doesn't concern.

#### 10.4. Conditions to avoid

##### Conditions to avoid

Open flame, other ignition sources, direct sunlight, high temperature.

#### 10.5. Incompatible materials

##### Incompatible materials

Strong oxidisers, sulphuric acid, perchloric acid

#### 10.6. Hazardous decomposition products

##### Hazardous decomposition products

Under normal conditions of use are not known

### SECTION 11: Toxicological information

#### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

##### Information on toxicological effects

There have been no toxicological tests for the product. Toxicological classification of product has been made on the basis of toxicological data for hazardous components.

##### Acute toxicity

Ethylene glycol LDLo (men, oral): 398 mg/kg b.w.

##### Skin corrosion/irritation

Not applicable

##### Serious eye damage/irritation

Not applicable

##### Germ cell mutagenicity

Not applicable

##### Genotoxicity

No data available

##### Carcinogenicity

Not applicable

##### Repeated dose toxicity

No data available

##### Reproductive toxicity

Not applicable

##### STOT-single exposure

Not applicable

##### STOT-repeated exposure

Not applicable

##### Aspiration hazard

No data available

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**LD50 Oral**

Ethylene Glycol: 4700 mg/kg rat

**LD50 Dermal**

Ethylene Glycol: 10626 mg/kg rat

**LC50 Inhalation**

No data available

**Routes of exposure**

No data available

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

No data available

**Mixture versus substance  
information**

No data available

**Delayed and immediate effects  
as well as chronic effects from  
short and long-term exposure**

No data available

**Interactive effects**

No data available

**Toxicity in case of skin contact**

No data available

**Absence of specific data**

No data available

**Toxicity in case of eye contact**

No data available

**Mixtures**

No data available

**Toxicity in case of ingestion**

No data available

#### 11.2. Information on other hazards

Not applicable

#### Other

**Other**

Potential health effects: When ingested early symptoms mimic alcohol inebriation and are followed by nausea, vomiting, abdominal pain, weakness, muscle tenderness, respiratory failure, convulsions, cardiovascular collapse, pulmonary edema, hypocalcemic tetany, and severe metabolic acidosis. Without treatment, death may occur in 8 to 24 hours. Victims who survive the initial toxicity period usually develop renal failure along with brain and liver damage. Exposure to and/or consumption of alcohol may increase toxic effects. Central nervous system : Irregularities : Based on Human Evidence

**Acute effects**

No data available

**Long term effect**

No data available

## SECTION 12: Ecological information

#### 12.1. Toxicity

**Acute toxicity**

No data available

**Toxicity**

Hazardous ingredient of product (ethylene glycol) poses no threat to water environment (LC50/EC50 > 100 mg/dm<sup>3</sup>)



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#### Aquatic

No data available

#### Soil

No data available

#### Acute fish toxicity

No data available

#### Acute algae toxicity

No data available

#### Acute crustacean toxicity

No data available

#### Chronical toxicity

No data available

#### 12.2. Persistence and degradability

##### Persistence and degradability

No data available

##### Decay/transformation

No data available

#### 12.3. Bioaccumulative potential

##### Bioaccumulative potential

No data available

#### 12.4. Mobility in soil

##### Mobility

No data available

#### 12.5. Results of PBT and vPvB assessment

##### Results of PBT and vPvB assessment

Product doesn't meet the criteria for PBT or vPvB in accordance with Annex XIII of REACH Regulation.

#### 12.6. Endocrine disrupting properties

Not applicable

#### 12.7. Other adverse effects

##### Other adverse effects

Product isn't classified as hazardous to environment. In the trade form is a low threat to the environment. Take care that the product has not penetrated into the soil, drinking water sources, water tanks etc.

## SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

##### Disposal considerations

Dispose of waste in accordance with all Federal, State and Local regulations  
Waste of product: communicate with the manufacturer of the product on the possibility of processing waste. If it's not possible, deliver it to utilization in plants permitted to waste collection, transport, waste recovery and disposal. Do not empty into drains. Do not waste landfilled. Recovery or disposal of waste product should be made in accordance with applicable regulations. USA RCRA: This product is not considered hazardous waste if discarded.

##### Packaging

Disposing of the packaging: it is prohibited to burn them on the ground. Reusable packaging after cleaning can be further used if necessary.

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### SECTION 14: Transport information

#### 14.1. UN number

Not applicable

#### 14.2. UN proper shipping name

Not applicable

#### 14.3. Transport hazard class(es)

Not applicable

#### 14.4. Packing group

Not applicable

#### 14.5. Environmental hazards

Not applicable

#### 14.6. Special precautions for user

**Special precautions for user** see section 7.1

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

Not applicable

### SECTION 15: Regulatory information

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

##### EU regulations

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) DIRECTIVE 2008/98/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL. of 19 November 2008. on waste and repealing certain Directives. European Parliament and Council Directive 94/62/EC of 20 December 1994 on packaging and packaging waste.

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### Other regulations, limitations and legal regulations

#### Poland Regulations:

ACT of 25 February 2011 on the chemical substances and their mixtures(OJ # 63, poz. 322).

Regulation of the Minister of Labour and Social Policy of 6 June 2014 on Maximum Permissible Concentration and Intensity of Agents Harmful to Health in the Working Environment (Dz. u. z. 2014, poz 817).

The Act on Waste of 14 December 2012, Journal of Laws of 2013, item 21 with amendments

Act of 13th June 2013 on packaging management and packaging waste (Journal of Laws of 2013, item 888).

Regulation of the Minister of the Environment of 9 December 2014 on waste catalogue (Journal of Laws of 2014, item 1923).

Regulation of the Minister of Economy of 21 December 2005. Concerning essential requirements for personal protective equipment (Journal. Laws No. 259, item. 2173).

Regulation of the Minister of Health of 2 February 2011 on tests and measurements of factors harmful to health in the working environment (the Journal of Laws 2011, no. 33, item 166).

#### USA Regulations :

USA: This product contains or produces a chemical known to the state of California to cause cancer and birth defects (or other reproductive harm). (California Health & Safety Code § 25249.5 et seq.)

CERCLA/SARA Title III Reportable Quantities (RQs) and/or Threshold Planning Quantities (TPQs):  
Product is an article. Spills or releases resulting in the loss of any ingredient at or above its RQ require immediate notification to the National Response Center and to your Local Emergency Planning Committee.

EPCRA/SARA Title III 313 Toxic Chemicals:  
Ethylene Glycol: 1.0% de minimis concentration  
International Inventories:

Australia: The substance(s) in this product is/are in compliance with the inventory requirements of Australia- Inventory of Industrial Chemicals (AIIC)

United States EPA Toxic Substance Control Act: All constituents of this product are on the TSCA inventory list or are excluded from listing.

Canadian Environmental Protection Act (CEPA): All constituent(s) of this product is/are on the Domestic Substance List (DSL).

### 15.2. Chemical safety assessment

#### Chemical safety assessment

No data available

#### Other

#### Other

Read and understand the manufacturer's instructions, your employer's safety practices and the health and safety instructions on the label. Observe any federal and local regulations.

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## GLIDEX EXTRA II

### SECTION 16: Other information

#### Changes to previous revision

This Safety Data Sheet has been revised due to modifications to Sections 1-16. Previous Revision of SDS as per Regulation – April 2019; Latest Revision of SDS as per Regulation – May 2020

#### References to key literature and data sources

Refer to ESAB "Welding & Cutting - Risks and Measures", F52-529 "Precautions and Safe Practices for ARC WELDING, CUTTING & GOUGING" and F2035 "Precautions and Safe Practices for Gas Welding, Cutting and Heating" available from ESAB Website. [www.esab.com](http://www.esab.com)

#### Phrase meaning

Acute Tox. 4 - oral - Acute toxicity, oral, hazard category 4  
H302 Harmful if swallowed.

#### Other

#### Additional information

USA: Contact ESAB at [www.esabna.com](http://www.esabna.com) or 1-800 ESAB-123 if you have any questions about this SDS. American National Standard Z49.1 Safety in Welding and Cutting, ANSI/AWS F1.5 Methods for Sampling and Analyzing Gases from Welding and Allied Processes, ANSI/AWS F1.1 "Method for Sampling Airborne Particles Generated by Welding and Allied Processes", AWSF3.2M/F3.2 "Ventilation Guide for Weld Fume", 550 North Le Jeune Road, Miami Florida 33135. Safety and Health Fact Sheets available from AWS at [www.aws.org](http://www.aws.org).

OSHA Publication 2206 (29 C.F.R. 1910), U.S. Government Printing Office, Superintendent of Documents, P.O. Box 371954, Pittsburgh, PA 15250-7954

American Conference of Governmental Hygienists (ACGIH), Threshold Limit Values and Biological Exposure Indices, 6500 Glenway Ave., Cincinnati, Ohio 45211, USA.

NFPA 51B "Standard for Fire Prevention During Welding, Cutting and Other Hot Work" published by the National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02169

UK: WMA Publication 236 and 237, "Hazards from Welding fume", "The arc welder at work, some general aspects of health and safety".

Germany: Germany: Accident prevention regulation BGV D1, "Welding, cutting and related processes".

Canada: CSA Standard CAN/CSA-W117.2-01 "Safety in Welding, Cutting, and Allied Processes".

This product has been classified according to the hazard criteria of the CPR and the SDS contains all of the information required by the CPR.

ESAB requests the users of this product to study this Safety Data Sheet (SDS) and become aware of product hazards and safety information. To promote safe use of this product a user should: notify its employees, agents and contractors of the information on this SDS and any product hazards/safety information. furnish this same information to each of its customers for the products

Request such customers to notify employees and customers for the same product hazards and safety information.

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Contact ESAB for more information.

