

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: 2020-10-19



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

1.1. Product identifier

Trade name	Eco-Tech 10 I
UFI code	Y85K-SD17-P4DR-47RX

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

Product type	Surface protection
Use	Prevents welding spatter from sticking

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 44-870-8200418; 44-2038073798

Available outside office hours Yes

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Danger classes	Eye irritation, hazard category 2
Hazard phrases	H319

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

Danger codes



Signal word Warning

Hazard phrases H319 Causes serious eye irritation.

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Safety phrases

P264 Wash hands and face thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
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

Other hazards

No other hazards known

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
Glycerol	56-81-5 200-289-5 - -	2.5 - 10%	-	- - -	-
2-(2-butoxyethoxy)ethanol	112-34-5 203-961-6 - -	0.1 - 1%	Eye Irrit. 2	H319 - -	-

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

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation

Remove from exposure, provide fresh air. If rapid recovery does not occur, obtain medical attention

Skin contact

Generally the product does not irritate the skin. Wash affected skin with water and mild soap.

Eye contact

Rinse opened eye for several minutes under running water. Remove contact lenses. If symptoms persist, consult a doctor.

Ingestion

Obtain medical attention. Do not induce vomiting.

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

Not applicable

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

Not applicable

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Other

Other Never give anything by mouth to an unconscious person.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Use the extinguishing media recommended for the burning materials and fire situation. (eg foam, CO₂, dry chemical powder, water spray, etc.)

5.2. Special hazards arising from the substance or mixture

Special hazards arising from the substance or mixture Fumes or vapors may be harmful.

5.3. Advice for firefighters

Special protective equipment for fire-fighters Remove containers that are close to the fire.

Other

Other Wear self-contained breathing apparatus as fumes or vapors may be harmful.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions, protective equipment and emergency procedures Use safety glasses. Wear gloves for the protection against chemicals. Use suitable respiratory protective device in case of insufficient ventilation.

6.2. Environmental precautions

Environmental precautions Do not allow to enter sewers/ surface or ground water. Inform respective authorities in case of seepage into water course or sewage system.

6.3. Methods and material for containment and cleaning up

Methods and material for containment and cleaning up Surround any spillage with absorbent material such as sand, mineral wool matting or some other suitable material for disposal. Avoid pollution of sewers, groundwater and soil. Dispose according to local regulations. Ventilate the area.

6.4. Reference to other sections

Reference to other sections refer to section 7, 8 and 13.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Preventive handling precautions

Do not spray onto a naked flame or any incandescent material. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 75°C, i.e. electric lights. Do not pierce or burn, even after use
Ensure good ventilation/exhaustion at the workplace. Wear eye protection to avoid eye injury.
Keep away from food and drink. Retain all warning and identity labels.

7.2. Conditions for safe storage, including any incompatibilities

Conditions for safe storage, including any incompatibilities

Observe official regulations on storing pressurized containers.

7.3. Specific end use(s)

Not applicable

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 ³	Short-term exposure limit ppm / mg/m ³	Source	Remark	Year
Glycerol	56-81-5 200-289-5	- 10	- -	UK WEL	-	2020
2-(2-butoxyethoxy)ethanol	112-34-5 203-961-6	67.5 -	- -	UK WEL	-	2020

8.2. Exposure controls

Technical precaution measures

The usual precautionary measures are to be adhered to when handling chemicals.

Eye / face protection

Wear safety goggles.

Safety gloves

Protection of hands: Wear gloves for the protection against chemicals according to EN 374 Solvent resistant gloves. Material of gloves: Nitrile rubber, NBR Recommended thickness of the material: > 0,35 mm

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance, physical state

Pink colour

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Appearance, colour	Not applicable
Odour	Not applicable
Odour treshold	Not applicable
pH value	Not applicable
Melting point / freezing point	Not applicable
Initial boiling point and boiling range	Not applicable
Flash point	>75°C
Evaporation rate	Not applicable
Flammability (solid, gas)	Not applicable
Upper / lower flammability or explosive limits	Not applicable
Vapour pressure	23 hPa (20°C)
Vapour density	Not applicable
Relative density	at 20°C : 1.0 g/cm ³
Solubility	Not applicable
Partition coefficient: n-octanol / water	Not applicable
Ignition temperature	400°C
Decomposition temperature	Not applicable
Viscosity, kinematic	Not applicable
Viscosity, dynamic	0.952 mPas
Explosive properties	Not applicable
Oxidising properties	Not applicable

9.2. Other information

Not applicable

SECTION 10: Stability and reactivity

10.1. Reactivity

Not applicable

10.2. Chemical stability

Chemical stability

This product is stable under normal conditions. Stable under recommended storage conditions.

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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use

10.4. Conditions to avoid

Not applicable

10.5. Incompatible materials

Not applicable

10.6. Hazardous decomposition products

Hazardous decomposition products

No dangerous decomposition products known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Information on toxicological effects

No data available

Acute toxicity

No data available

Skin corrosion/irritation

No data available

Serious eye damage/irritation

No data available

Respiratory/skin sensitization

No data available

Germ cell mutagenicity

No data available

Genotoxicity

No data available

Carcinogenicity

No data available

Repeated dose toxicity

No data available

Reproductive toxicity

No data available

STOT-single exposure

No data available

STOT-repeated exposure

No data available

Aspiration hazard

No data available

LD50 Oral

2-(2-butoxyethoxy) ethanol: Oral LD50 : >5600mg/kg (rat)

LD50 Dermal

2-(2-butoxyethoxy) ethanol: Dermal LD50 : 4000mg/kg (rabbit)

LC50 Inhalation

No data available

Toxicity in case of eye contact

No data available

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Other

Acute effects No data available

Long term effect No data available

SECTION 12: Ecological information

12.1. Toxicity

Acute toxicity No data available

Toxicity No data available

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** No data available

12.6. Other adverse effects

Other adverse effects Water hazard class 1 (German Reg.) (Self-assessment): Slightly hazardous for water
Avoid pollution of sewers, groundwater and soil.

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal considerations

Discard any product, residue, disposable container or liner in an environmentally acceptable manner, in full compliance with federal and local regulations. Use recycling procedures if available. Drain container thoroughly. Empty containers must not be burned. Do not allow into drains or water sources or dispose of where ground or surface waters maybe affected.

SECTION 14: Transport information

14.1. UN number

UN number UN1950

14.2. UN proper shipping name

Name ADR, ADN: UN1950 AEROSOLS

IMDG proper shipping name AEROSOLS, IATA: AEROSOLS, non-flammable

14.3. Transport hazard class(es)

Label 2.2

ADR / RID Class class 2; classification code 5A, Gases.

IMDG Class 2.2

IATA Class 2.2

ADN Class 2.5A

14.4. Packing group

Packing group Void

14.5. Environmental hazards

Environmental hazards Marine pollutant: No

14.6. Special precautions for user

Special precautions for user Warning: Gases, EMS Number: F-D, S-U

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

Not applicable

Other

Other Limited Quantities: 1L, Excepted Quantities: Code: E0, Not permitted as Excepted Quantity, Transport category: 2 Tunnel restriction code: D
UN " Model Regulation": UN1950, AEROSOLS, 2.2

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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 a solid solution in the form of a solid 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 313 TOXIC CHEMICALS: There are no components listed as SARA 313 "Toxic Chemicals" and potential subject to annual SARA 313 reporting.

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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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

Phrase meaning

Eye Irrit. 2 - Eye irritation, hazard category 2
H319 Causes serious eye irritation.

Other

Additional information

USA: Contact ESAB at 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.

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 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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