



# ENEOS X Hyper Cool XLR

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878  
Issue date: 21.12.2023 Version: 1.0

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

#### 1.1. Product identifier

Product form : Mixture  
Product name : ENEOS X Hyper Cool XLR  
Product code : V161500473  
Product group : Trade product

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

##### 1.2.1. Relevant identified uses

Intended for general public  
Main use category : Industrial use, professional use, Consumer use  
Function or use category : Anti-freezing agents

##### 1.2.2. Uses advised against

No additional information available

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

ENEOS Europe Limited  
2F Bury House, 31 Bury Street,  
London, EC3A 5AR  
United Kingdom

#### 1.4. Emergency telephone number

Emergency number : 0044 20 7186 0400  
(Monday to Friday: 8:00 - 17:00)

| Country        | Organisation/Company   | Address                                       | Emergency number   | Comment                              |
|----------------|--|---|--|--------------------------------------|
| Ireland        | National Poisons Information Centre<br>Beaumont Hospital                     | PO Box 1297<br>Beaumont Road<br>9 Dublin      | +353 1 809 2566<br>(Healthcare professionals-<br>24/7)<br>+353 1 809 2166 (public,<br>8am - 10pm, 7/7) |                                      |
| Malta          | Medicines & Poisons Info Office  | Mater Dei Hospital<br>Msida<br>MSD 2090 Msida | +356 2545 6508   |                                      |
| United Kingdom | National Poisons Information Service<br>(Birmingham Centre)<br>City Hospital | Dudley Road<br>B18 7QH                        | 0344 892 0111  | Only for healthcare<br>professionals |
| United Kingdom | NHS 111/NHS 24/NHS Direct  |   | 111<br>0845 4647   | or call a doctor                     |

### SECTION 2: Hazards identification

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

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute toxicity (oral), Category 4 H302  
Specific target organ toxicity – Repeated exposure, Category 2 H373  
Full text of H- and EUH-statements: see section 16

##### Adverse physicochemical, human health and environmental effects

May cause damage to organs through prolonged or repeated exposure. Harmful if swallowed.

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### 2.2. Label elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



GHS07

GHS08

CLP Signal word

: Warning

Contains

: ethane-1,2-diol; methyl-1H-benzotriazole

Hazard statements (CLP)

: H302 - Harmful if swallowed.

H373 - May cause damage to organs through prolonged or repeated exposure.

Precautionary statements (CLP)

: P102 - Keep out of reach of children.

P260 - Do not breathe dust, fume, gas, mist, spray, vapours.

P264 - Wash hands thoroughly after handling.

P270 - Do not eat, drink or smoke when using this product.

P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER/doctor.

P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Child-resistant fastening

: Not applicable

Tactile warning

: Applicable

### 2.3. Other hazards

Contains no PBT and/or vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name   | Product identifier   | %         | Classification according to Regulation (EC) No. 1272/2008 [CLP]                                      |
|--|--|-----------|--|
| ethanediol; ethylene glycol<br>substance with national workplace exposure limit(s)<br>(GB, IE, MT); substance with a Community workplace<br>exposure limit | CAS-No.: 107-21-1<br>EC-No.: 203-473-3<br>EC Index-No.: 603-027-00-1<br>REACH-no: 01-2119456816-<br>28 | $\geq 50$ | Acute Tox. 4 (Oral), H302 (ATE=500<br>mg/kg bodyweight)<br>STOT RE 2, H373                           |
| sodium benzoate  | CAS-No.: 532-32-1<br>EC-No.: 208-534-8<br>REACH-no: 01-2119460683-<br>35                               | 3 – 5     | Eye Irrit. 2, H319   |
| methyl-1H-benzotriazole  | CAS-No.: 29385-43-1<br>EC-No.: 249-596-6<br>REACH-no: 01-2119979081-<br>35                             | 1 – 3     | Acute Tox. 4 (Oral), H302 (ATE=500<br>mg/kg bodyweight)<br>Repr. 2, H361d<br>Aquatic Chronic 2, H411 |

Full text of H- and EUH-statements: see section 16

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### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

|                                       |   |
|---------------------------------------|---|
| First-aid measures general            | : Call a poison center or a doctor if you feel unwell.              |
| First-aid measures after inhalation   | : Remove person to fresh air and keep comfortable for breathing.    |
| First-aid measures after skin contact | : Wash skin with plenty of water.                                   |
| First-aid measures after eye contact  | : Rinse eyes with water as a precaution.                            |
| First-aid measures after ingestion    | : Rinse mouth. Call a poison center or a doctor if you feel unwell. |

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

|  |  |
|--|--|
| Symptoms/effects after inhalation                | : At normal ambient temperatures this product will be unlikely to present an inhalation hazard because of its low volatility. May be harmful by inhalation if exposure to vapour, mists or fumes resulting from thermal decomposition products occurs. |
| Symptoms/effects after skin contact              | : Not expected to present a significant hazard under anticipated conditions of normal use.   |
| Symptoms/effects after eye contact               | : Unlikely to cause more than transient stinging or redness if accidental eye contact occurs.  |
| Symptoms/effects after ingestion                 | : Bad taste. Damage to kidneys. The main component of this product is harmful by ingestion. Swallowing a small quantity of this material will result in serious health hazard.   |
| Symptoms/effects upon intravenous administration | : Unknown.   |

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

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

|                                |  |
|--------------------------------|--|
| Suitable extinguishing media   | : Water spray. Dry powder. Foam. Carbon dioxide.                                 |
| Unsuitable extinguishing media | : Do not use a heavy water stream. Use of heavy stream of water may spread fire. |

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

|  |  |
|--|--|
| Fire hazard                                      | : Combustion generates: CO, CO <sub>2</sub> .                                |
| Explosion hazard                                 | : Not expected to be a fire/explosion hazard under normal conditions of use. |
| Hazardous decomposition products in case of fire | : Toxic fumes may be released.   |

#### 5.3. Advice for firefighters

|                                |   |
|--------------------------------|---|
| Precautionary measures fire    | : Do not enter fire area without proper protective equipment, including respiratory protection.   |
| Firefighting instructions      | : Use water spray or fog for cooling exposed containers.  |
| Protection during firefighting | : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.                                    |
| Other information              | : Prevent fire fighting water from entering the environment. Sweep up and remove to a suitable, clearly marked container for disposal in accordance with local regulations. |

### SECTION 6: Accidental release measures

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

|                  |  |
|------------------|--|
| General measures | : Spill area may be slippery. Prevent soil and water pollution. Prevent entry to sewers and public waters. |
|------------------|--|

##### 6.1.1. For non-emergency personnel

|                      |   |
|----------------------|---|
| Protective equipment | : Use protective clothing.  |
| Emergency procedures | : Ventilate spillage area. Do not breathe dust/fume/gas/mist/vapours/spray. |

##### 6.1.2. For emergency responders

|                      |   |
|----------------------|---|
| Protective equipment | : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". |
| Emergency procedures | : No specific measures are necessary.   |

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### 6.2. Environmental precautions

Avoid release to the environment.

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

- |                         |   |
|-------------------------|---|
| For containment         | : Large quantities: Contain large spillage with sand or earth.  |
| Methods for cleaning up | : Take up liquid spill into absorbent material.                 |
| Other information       | : Dispose of materials or solid residues at an authorized site. |

### 6.4. Reference to other sections

For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- |                                   |   |
|-----------------------------------|---|
| Additional hazards when processed | : Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death. Empty containers should be completely drained, properly closed, and promptly returned to a drum reconditioner or disposed of properly. |
| Precautions for safe handling     | : Ensure good ventilation of the work station. Wear personal protective equipment. Do not breathe dust/fume/gas/mist/vapours/spray.   |
| Hygiene measures                  | : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.   |

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

- |                              |   |
|------------------------------|---|
| Technical measures           | : Keep container tightly closed and in well ventilated place. |
| Storage conditions           | : Store in a well-ventilated place. Keep cool.                |
| Incompatible products        | : Reacts vigorously with strong oxidizers and acids.          |
| Maximum storage period       | : 5 year  |
| Storage temperature          | : ≤ 40 °C   |
| Information on mixed storage | : Keep away from : Oxidizing materials. Strong acids.         |
| Storage area                 | : Store at ambient temperature.                               |
| Special rules on packaging   | : Keep container tightly closed and dry.                      |

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

| ethanediol; ethylene glycol (107-21-1)             |                                 |
|--|---------------------------------|
| EU - Indicative Occupational Exposure Limit (IOEL) |                                 |
| Local name   | Ethylene glycol                 |
| IOELV TWA (mg/m³)                                  | 52 mg/m³                        |
| IOELV TWA (ppm)                                    | 20 ppm                          |
| IOELV STEL (mg/m³)                                 | 104 mg/m³                       |
| IOELV STEL (ppm)                                   | 40 ppm                          |
| Notes  | Skin                            |
| Regulatory reference                               | COMMISSION DIRECTIVE 2000/39/EC |

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| ethanediol; ethylene glycol (107-21-1)        |  |
|---|--|
| Ireland - Occupational Exposure Limits        |  |
| Local name                                    | Ethane-1,2-diol [Ethylene glycol]  |
| OEL (8 hours ref) (mg/m³)                     | 10 mg/m³ particulate<br>52 mg/m³ vapour  |
| OEL (8 hours ref) (ppm)                       | 20 ppm vapour  |
| OEL (15 min ref) (mg/m³)                      | 104 mg/m³ vapour   |
| OEL (15 min ref) (ppm)                        | 40 ppm vapour  |
| Remark  | Sk (Substances which have the capacity to penetrate intact skin when they come in contact with it, and be absorbed into the body), IOELV (Indicative Occupational Exposure Limit Values) |
| Regulatory reference                          | Chemical Agents Code of Practice 2021  |
| Malta - Occupational Exposure Limits          |  |
| Local name                                    | Ethylene glycol  |
| OEL TWA (mg/m³)                               | 52 mg/m³   |
| OEL TWA (ppm)                                 | 20 ppm   |
| OEL STEL (mg/m³)                              | 104 mg/m³  |
| OEL STEL (ppm)                                | 40 ppm   |
| Remark  | Skin # Ġilda   |
| Regulatory reference                          | S.L.424.24 - Chemical Agents at Work Regulations (L.N.356 of 2021)   |
| United Kingdom - Occupational Exposure Limits |  |
| Local name                                    | Ethane-1,2-diol  |
| WEL TWA (mg/m³)                               | 10 mg/m³ particulate<br>52 mg/m³ vapour  |
| WEL TWA (ppm)                                 | 20 ppm vapour  |
| WEL STEL (mg/m³)                              | 104 mg/m³ vapour   |
| WEL STEL (OEL STEL) [ppm]                     | 40 ppm vapour  |
| Remark (WEL)                                  | Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity)                              |
| Regulatory reference                          | EH40/2005 (Fourth edition, 2020). HSE  |

### 8.1.2. Recommended monitoring procedures

No additional information available

### 8.1.3. Air contaminants formed

No additional information available

### 8.1.4. DNEL and PNEC

No additional information available

### 8.1.5. Control banding

No additional information available

## 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

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### 8.2.2. Personal protection equipment

#### Personal protective equipment:

Gloves. In case of splash hazard: safety glasses. Eye protection should only be necessary where liquid could be splashed or sprayed.

#### Personal protective equipment symbol(s):



#### 8.2.2.1. Eye and face protection

##### Eye protection:

Safety glasses

#### 8.2.2.2. Skin protection

##### Skin and body protection:

Wear suitable protective clothing

##### Hand protection:

Protective gloves

| Hand protection   |                      |                   |                |             |            |
|-------------------|----------------------|-------------------|----------------|-------------|------------|
| Type              | Material             | Permeation        | Thickness (mm) | Penetration | Standard   |
| Disposable gloves | Nitrile rubber (NBR) | 6 (> 480 minutes) | 0.4            |             | EN ISO 374 |
| Disposable gloves | Butyl rubber         | 6 (> 480 minutes) | 0.7            |             | EN ISO 374 |

#### Other skin protection

##### Materials for protective clothing:

Neoprene or nitrile rubber gloves. Butyl-rubber protective gloves

#### 8.2.2.3. Respiratory protection

##### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment.

#### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

#### Environmental exposure controls:

Avoid release to the environment.

#### Consumer exposure controls:

Neoprene or nitrile rubber gloves. Butylrubber protective gloves.

#### Other information:

Do not put the product-soaked rags into the pockets of working clothes. Do not use cloths stained with the product to dry hands. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not eat, drink or smoke during use. Wash contaminated clothing before reuse.

## SECTION 9: Physical and chemical properties

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

|                 |                 |
|-----------------|-----------------|
| Physical state  | : Liquid        |
| Colour          | : light red.    |
| Appearance      | : liquid.       |
| Odour           | : odourless.    |
| Odour threshold | : Not available |
| Melting point   | : -18 °C        |
| Freezing point  | : Not available |

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|                                 |                        |
|---------------------------------|------------------------|
| Boiling point                   | : > 177 °C             |
| Flammability (solid, gas)       | : Non flammable.       |
| Lower explosive limit (LEL)     | : Not available        |
| Upper explosive limit (UEL)     | : Not available        |
| Flash point                     | : 122 °C               |
| Auto-ignition temperature       | : > 390 °C             |
| Decomposition temperature       | : Not available        |
| pH                              | : 8,5                  |
| pH solution                     | : 7 – 10               |
| Viscosity, kinematic            | : Not available        |
| Solubility                      | : Miscible with water. |
| Log Kow                         | : Not available        |
| Log Pow                         | : < -0,1               |
| Vapour Pressure 20°C            | : < 2 hPa              |
| Vapour pressure at 50°C         | : Not available        |
| Density                         | : 1,122 – 1,126 kg/l   |
| Relative density                | : Not available        |
| Relative vapour density at 20°C | : > 1 (air=1)          |
| Particle characteristics        | : Not applicable       |

### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

No additional information available

#### 9.2.2. Other safety characteristics

|  |                                       |
|--|---------------------------------------|
| Relative evaporation rate (butylacetate=1) | : < 0,1                               |
| Other properties                           | : Gas/vapour heavier than air at 20°C |

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Stable under normal conditions of use.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Refer to section 10.1 on Reactivity.

### 10.4. Conditions to avoid

Moisture. Overheating.

### 10.5. Incompatible materials

Strong oxidizing agents. Strong acids.

### 10.6. Hazardous decomposition products

CO, CO<sub>2</sub>.

## SECTION 11: Toxicological information

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

|                             |  |
|-----------------------------|--|
| Acute toxicity (oral)       | : Harmful if swallowed. (Based on available data, the classification criteria are not met) |
| Acute toxicity (dermal)     | : Not classified (Based on available data, the classification criteria are not met)        |
| Acute toxicity (inhalation) | : Not classified (Based on available data, the classification criteria are not met)        |

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| ENEOS X Hyper Cool XLR                 |   |
|--|---|
| ATE CLP (oral)                         | 606,87 mg/kg bodyweight   |
| ethanediol; ethylene glycol (107-21-1) |   |
| LD50 oral rat                          | 7712 mg/kg bodyweight Animal: rat   |
| LD50 dermal                            | > 3500 mg/kg mouse  |
| LC50 Inhalation - Rat                  | > 2,5 mg/l (6h)   |
| methyl-1H-benzotriazole (29385-43-1)   |   |
| LD50 oral rat                          | ≈ 720 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 700 - 800              |
| LD50 oral                              | 720 mg/kg   |
| LD50 dermal rabbit                     | > 2000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)                           |
| Skin corrosion/irritation              | : Not classified<br>pH: 8,5   |
| ethanediol; ethylene glycol (107-21-1) |   |
| pH                                     | 6 – 7,5   |
| Serious eye damage/irritation          | : Not classified<br>pH: 8,5   |
| ethanediol; ethylene glycol (107-21-1) |   |
| pH                                     | 6 – 7,5   |
| Respiratory or skin sensitisation      | : Not classified  |
| Germ cell mutagenicity                 | : Not classified  |
| Carcinogenicity                        | : Not classified  |
| Reproductive toxicity                  | : Not classified  |
| STOT-single exposure                   | : Not classified  |
| STOT-repeated exposure                 | : May cause damage to organs through prolonged or repeated exposure.  |
| ethanediol; ethylene glycol (107-21-1) |   |
| STOT-repeated exposure                 | May cause damage to organs (kidneys) through prolonged or repeated exposure (oral).                                     |
| methyl-1H-benzotriazole (29385-43-1)   |   |
| NOAEL (oral, rat, 90 days)             | ≈ 150 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity Study in Rodents) |
| Aspiration hazard                      | : Not classified  |

## 11.2. Information on other hazards

### 11.2.1. Endocrine disrupting properties

No additional information available

### 11.2.2. Other information

Other information : Toxicological data have not been determined specifically for this product. Information given is based on a knowledge of the components and the toxicology of similar products, Likely route of exposure: ingestion, skin and eye.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.



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Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Not classified

| ethanediol; ethylene glycol (107-21-1) |   |
|--|---|
| LC50 fish 1                            | > 72860 mg/l Test organisms (species): Pimephales promelas  |
| EC50 Daphnia 1                         | > 100 mg/l Test organisms (species): Daphnia magna  |
| NOEC (chronic)                         | ≥ 1000 mg/l Test organisms (species): Americamysis bahia (previous name: Mysidopsis bahia) Duration: '23 d' |
| NOEC chronic fish                      | 15380 mg/l Pimephales promelas  |
| NOEC chronic crustacea                 | 8590 mg/l daphnia   |

| methyl-1H-benzotriazole (29385-43-1) |  |
|--------------------------------------|--|
| LC50 fish 1                          | 55 mg/l Test organisms (species): Cyprinodon variegatus            |
| EC50 Daphnia 1                       | 55 mg/l Arcartia tonsa   |
| EC50 other aquatic organisms 1       | 15,8 mg/l Test organisms (species): other aquatic crustacea:       |
| EC50 other aquatic organisms 2       | 8,58 mg/l Test organisms (species): other aquatic crustacea:       |
| EC50 72h - Algae [1]                 | 53 mg/l Test organisms (species): Skeletonema costatum             |
| LOEC (chronic)                       | 37,6 mg/l Test organisms (species): Daphnia magna Duration: '21 d' |
| NOEC (chronic)                       | 18,4 mg/l Test organisms (species): Daphnia magna Duration: '21 d' |

### 12.2. Persistence and degradability

| ethanediol; ethylene glycol (107-21-1) |  |
|--|--|
| Persistence and degradability          | Readily biodegradable in water. easily degradable in the soil. |
| Biochemical oxygen demand (BOD)        | 0,47 g O <sub>2</sub> /g substance                             |
| Chemical oxygen demand (COD)           | 1,24 g O <sub>2</sub> /g substance                             |
| ThOD                                   | 1,29 g O <sub>2</sub> /g substance                             |
| BOD (% of ThOD)                        | 0,36   |

### 12.3. Bioaccumulative potential

| ENEOS X Hyper Cool XLR                 |                     |
|--|---------------------|
| Log Pow                                | < -0,1              |
| ethanediol; ethylene glycol (107-21-1) |                     |
| Log Pow                                | -1,36               |
| Bioaccumulative potential              | No bioaccumulation. |

### 12.4. Mobility in soil

| ethanediol; ethylene glycol (107-21-1) |                   |
|--|-------------------|
| Surface tension                        | 0,048 N/m (20 °C) |

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Endocrine disrupting properties

No additional information available

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### 12.7. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

|  |  |
|--|--|
| Regional waste regulation                  | : Disposal must be done according to official regulations.   |
| Product/Packaging disposal recommendations | : Dispose of contents/container in accordance with licensed collector's sorting instructions.  |
| Waste disposal recommendations             | : Dispose in a safe manner in accordance with local/national regulations. Do not discharge into drains or the environment.   |
| Additional information                     | : Hazardous waste.   |
| Ecology - waste materials                  | : Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death. Empty containers should be completely drained, properly closed, and promptly returned to a drum reconditioner or disposed of properly. When not empty dispose of this container at hazardous or special waste collection point. |
| European List of Waste (LoW, EC 2000/532)  | : 16 01 14* - antifreeze fluids containing dangerous substances<br>15 01 10* - packaging containing residues of or contaminated by dangerous substances  |

## SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

| ADR                                     | IMDG          | IATA          | ADN           | RID           |
|---|---------------|---------------|---------------|---------------|
| <b>14.1. UN number or ID number</b>     |               |               |               |               |
| Not regulated for transport             |               |               |               |               |
| Not regulated                           | Not regulated | Not regulated | Not regulated | Not regulated |
| <b>14.2. UN proper shipping name</b>    |               |               |               |               |
| Not regulated                           | Not regulated | Not regulated | Not regulated | Not regulated |
| <b>14.3. Transport hazard class(es)</b> |               |               |               |               |
| Not regulated                           | Not regulated | Not regulated | Not regulated | Not regulated |
| <b>14.4. Packing group</b>              |               |               |               |               |
| Not regulated                           | Not regulated | Not regulated | Not regulated | Not regulated |
| <b>14.5. Environmental hazards</b>      |               |               |               |               |
| Not regulated                           | Not regulated | Not regulated | Not regulated | Not regulated |
| No supplementary information available  |               |               |               |               |

### 14.6. Special precautions for user

#### Overland transport

Not regulated

#### Transport by sea

Not regulated

#### Air transport

Not regulated

#### Inland waterway transport

Not regulated

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### Rail transport

Not regulated

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

##### REACH Annex XVII (Restriction List)

| EU restriction list (REACH Annex XVII) |  |
|--|--|
| Reference code                         | Applicable on  |
| 3(b)                                   | ENEOS X Hyper Cool XLR ; ethanediol; ethylene glycol ; sodium benzoate |

##### REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

##### REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

##### PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

##### POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

##### Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

##### Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

##### Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

#### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

| Abbreviations and acronyms: |   |
|-----------------------------|---|
| ADN                         | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ADR                         | European Agreement concerning the International Carriage of Dangerous Goods by Road             |
| ATE                         | Acute Toxicity Estimate   |
| BCF                         | Bioconcentration factor   |
| BLV                         | Biological limit value  |
| BOD                         | Biochemical oxygen demand (BOD)   |
| COD                         | Chemical oxygen demand (COD)  |

# ENEOS X Hyper Cool XLR

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| Abbreviations and acronyms: |  |
|-----------------------------|--|
| DMEL                        | Derived Minimal Effect level   |
| DNEL                        | Derived-No Effect Level  |
| EC-No.                      | European Community number  |
| EC50                        | Median effective concentration   |
| EN                          | European Standard  |
| IARC                        | International Agency for Research on Cancer                                  |
| IATA                        | International Air Transport Association                                      |
| IMDG                        | International Maritime Dangerous Goods                                       |
| LC50                        | Median lethal concentration  |
| LD50                        | Median lethal dose   |
| LOAEL                       | Lowest Observed Adverse Effect Level   |
| NOAEC                       | No-Observed Adverse Effect Concentration                                     |
| NOAEL                       | No-Observed Adverse Effect Level   |
| NOEC                        | No-Observed Effect Concentration   |
| OECD                        | Organisation for Economic Co-operation and Development                       |
| OEL                         | Occupational Exposure Limit  |
| PBT                         | Persistent Bioaccumulative Toxic   |
| PNEC                        | Predicted No-Effect Concentration  |
| RID                         | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| SDS                         | Safety Data Sheet  |
| STP                         | Sewage treatment plant   |
| ThOD                        | Theoretical oxygen demand (ThOD)   |
| TLM                         | Median Tolerance Limit   |
| VOC                         | Volatile Organic Compounds   |
| CAS-No.                     | Chemical Abstract Service number   |
| N.O.S.                      | Not Otherwise Specified  |
| vPvB                        | Very Persistent and Very Bioaccumulative                                     |
| ED                          | Endocrine disrupting properties  |

Data sources : 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.

Other information : None.

| Full text of H- and EUH-statements: |   |
|-------------------------------------|---|
| Acute Tox. 4 (Oral)                 | Acute toxicity (oral), Category 4                                 |
| Aquatic Chronic 2                   | Hazardous to the aquatic environment – Chronic Hazard, Category 2 |
| Eye Irrit. 2                        | Serious eye damage/eye irritation, Category 2                     |
| H302                                | Harmful if swallowed.   |
| H319                                | Causes serious eye irritation.                                    |

# ENEOS X Hyper Cool XLR

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### Full text of H- and EUH-statements:

|           |  |
|-----------|--|
| H361d     | Suspected of damaging the unborn child.                            |
| H373      | May cause damage to organs through prolonged or repeated exposure. |
| H411      | Toxic to aquatic life with long lasting effects.                   |
| Repr. 2   | Reproductive toxicity, Category 2                                  |
| STOT RE 2 | Specific target organ toxicity – Repeated exposure, Category 2     |

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

|                     |      |                    |
|---------------------|------|--------------------|
| Acute Tox. 4 (Oral) | H302 | Calculation method |
| STOT RE 2           | H373 | Calculation method |

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.