

## Safety data sheet

according to 1907/2006/EC, Article 31 & 2020/878/EC

Printing date 10.09.2024

Version number 1

Revision: 10.09.2024

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

#### · 1.1 Product identifier

· Trade name: **CUT SOLUBLE**

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

- Sector of Use SU3 Industrial uses: Uses of substances as such or in preparations on industrial sites
- Application of the substance / the preparation : Lubricant

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

##### · Manufacturer/Supplier:

Oryx Energies  
 12 rue Michel Servet  
 CH-1211 GENÈVE 12  
 SUISSE  
 Email: pauline.roussey@oryxenergies.com

#### · 1.4 Emergency telephone number:

France (INRS 24h/24) - Tel : +33 (0)1 45 42 59 59  
 Ireland - Tel : 00 353 1 8092568 - 00 353 1 8379964 (24h/24) EU Tel: 112  
 Belgium - Brüssel: +32 070/245 245  
 UK : Call NHS 999 in a medical emergency. If you urgently need medical help or advice but it's not a life-threatening situation, call 111 (24/7). The NHS 111 number is currently only available in certain areas. If you're outside of these areas, you should call NHS Direct on 0845 4647  
 Swiss Toxicological Information Centre (Zürich) : +41 44 251 51 51 / www.toxi.ch.

### SECTION 2: Hazards identification

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

##### · Classification according to Regulation (EC) No 1272/2008 :



GHS05 corrosion

Eye Dam. 1      H318 Causes serious eye damage.



GHS07

Acute Tox. 4      H302 Harmful if swallowed.  
 Skin Irrit. 2      H315 Causes skin irritation.  
 Skin Sens. 1      H317 May cause an allergic skin reaction.  
 STOT SE 3      H335 May cause respiratory irritation.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

#### · 2.2 Label elements

##### · Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the C.L.P. regulation.

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- **Hazard pictograms**



GHS05 GHS07

- **Signal word** Danger

- **Hazard-determining components of labelling:**

2-phenoxyethanol  
 Alkylbenzolsulfonate, sodium salt  
 Alcohols, C16-18 and C18-unsatd.,ethoxylated

- **Hazard statements**

H302 Harmful if swallowed.  
 H315 Causes skin irritation.  
 H318 Causes serious eye damage.  
 H317 May cause an allergic skin reaction.  
 H335 May cause respiratory irritation.  
 H412 Harmful to aquatic life with long lasting effects.

- **Precautionary statements**

P264 Wash hands thoroughly after handling.  
 P270 Do not eat, drink or smoke when using this product.  
 P271 Use only outdoors or in a well-ventilated area.  
 P272 Contaminated work clothing should not be allowed out of the workplace.  
 P273 Avoid release to the environment.  
 P280 Wear protective gloves / eye protection / face protection.  
 P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.  
 P330 Rinse mouth.  
 P302+P352 IF ON SKIN: Wash with plenty of water.  
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P310 Immediately call a POISON CENTER/doctor.  
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
 P405 Store locked up.  
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **2.3 Other hazards**

The mixture shall not contain substances listed in accordance with Article 59(1) R.E.A.C.H as having endocrine disrupting properties, or be recognised 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 in a concentration equal to or greater than 0.1%.

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

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- **Determination of endocrine-disrupting properties** No further information available

### SECTION 3: Composition/information on ingredients

#### · 3.2 Mixtures

- **Description:** Preparation: composed of the substances listed below.

#### · **Dangerous components:**

CAS: 122-99-6	2-phenoxyethanol	10-<25%
EINECS: 204-589-7	☠ Eye Dam. 1, H318; ☠ Acute Tox. 4, H302; STOT SE 3, H335	
Index number: 603-098-00-9	ATE: LD50 oral: 1,394 mg/kg	
RTECS: KM 0350000		
Reg.nr.: 01-2119488943-21		
CAS: 91844-64-3	Alkylbenzolsulfonate, sodium salt	2.5-<10%
EINECS: 295-131-5	☠ Eye Dam. 1, H318; ☠ Aquatic Chronic 2, H411; ☠ Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1, H317	
CAS: 107-41-5	2-methylpentane-2,4-diol	0.1-≤2.5%
EINECS: 203-489-0	☠ Skin Irrit. 2, H315; Eye Irrit. 2, H319	
Index number: 603-053-00-3		
RTECS: SA 0810000		
Reg.nr.: 01-2119539582-35-xxxx		
CAS: 68920-66-1	Alcohols, C16-18 and C18-unsatd.,ethoxylated	0.1-≤2.5%
NLP: 500-236-9	☠ Eye Dam. 1, H318; ☠ Acute Tox. 4, H302	

- **SVHC** Not applicable

- **Additional information:** For the wording of the listed risk phrases, refer to section 16.

### SECTION 4: First aid measures

#### · 4.1 Description of first aid measures

##### · **After inhalation:**

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient in a stable laying down side position for transportation.

- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.

- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.

##### · **After swallowing:**

Do not induce vomiting; call for medical help immediately.

Call for a doctor immediately.

#### · 4.2 Most important symptoms and effects, both acute and delayed :

No further relevant information is available.

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

No further relevant information is available.

### SECTION 5: Firefighting measures

#### · 5.1 Suitable extinguishing agents:

CO<sub>2</sub>, powder or water spray. Fight larger fire with alcohol resistant foam.

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Use fire extinguishing methods suitable to surrounding conditions.

- **5.2 Special hazards arising from the substance or mixture :**  
During heating or in case of fire poisonous gases are produced.
  - **5.3 Advice for firefighters**
  - **Protective equipment:** Mouth respiratory protective device.
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### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures :**  
Avoid contact with the eyes
  - **For non-emergency personnel** No other relevant information available.
  - **For emergency responders** No other relevant information available.
  - **6.2 Environmental precautions:**  
Do not allow product to reach sewage system or any water course.  
Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow the product to enter sewers/ surface water or ground water.
  - **6.3 Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to section 13.  
Ensure adequate ventilation.
  - **6.4 Reference to other sections :**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protective equipment.  
See Section 13 for disposal information.
- 

### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling :**  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.
- **Information about fire - and explosion protection:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep container tightly sealed.
- **7.3 Specific end use(s) :** No further relevant information available.

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### SECTION 8: Exposure controls/personal protection

#### · 8.1 Control parameters

#### · **Ingredients with limit values that require monitoring at the workplace:**

##### **CAS: 122-99-6 2-phenoxyethanol (10-25%)**

MAK (Switzerland) Short-term value: 110 mg/m<sup>3</sup>, 40 ppm  
 Long-term value: 110 mg/m<sup>3</sup>, 20 ppm  
 SSc;

##### **CAS: 107-41-5 2-methylpentane-2,4-diol (<5%)**

WEL (Great Britain) Short-term value: 123 mg/m<sup>3</sup>, 25 ppm  
 Long-term value: 123 mg/m<sup>3</sup>, 25 ppm

MAK (Switzerland) Short-term value: 98 mg/m<sup>3</sup>, 20 ppm  
 Long-term value: 49 mg/m<sup>3</sup>, 10 ppm

#### · **Additional information:**

The most current valid lists have been used as a basis for the production of this document.

#### · 8.2 Exposure controls

· **Appropriate engineering controls** No further data; see section 7.

· **Individual protection measures, such as personal protective equipment**

· **General protective and hygienic measures:**

Keep away from food, beverages and petfood.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid all contact with the skin.

Avoid contact with the eyes and skin.

· **Respiratory protection:** No special measures required.

· **Hand protection**



Protective gloves

· **Gloves material :** Nitrile rubber, NBR

· **Eye/face protection**



Tightly sealed goggles

· **Body protection:**



Protective work clothing

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### SECTION 9: Physical and chemical properties

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

##### · General Information

· Physical state	Liquid
· Form:	Liquid
· Colour:	According to product specification
· Odour:	Characteristic
· Odour threshold:	Not determined.
· Melting point/freezing point:	-30 °C
· Boiling point or initial boiling point and boiling range	Not determined.
· Flammability	Not applicable.
· Lower and upper explosion limit	
· Lower:	Not determined.
· Upper:	Not determined.
· Flash point:	>200 °C
· Auto-ignition temperature:	Not applicable.
· Decomposition temperature:	Not determined.
· pH	Mixture is non-polar/aprotic.
· Viscosity:	
· Kinematic viscosity at 40 °C	42 cSt
· Dynamic:	Not determined.
· Solubility	
· water:	Not miscible or difficult to mix.
· Partition coefficient n-octanol/water (log value)	Not determined.
· Vapour pressure:	Not determined.
· Density and/or relative density	
· Density at 20 °C:	0.877 g/cm <sup>3</sup>
· Relative density :	Not determined.
· Vapour density :	Not determined.

#### · 9.2 Other information :

##### · Important information on protection of health and environment, and on safety.

· Ignition temperature:	Product is not self igniting.
· Explosive properties:	Product does not present an explosion hazard.
· Solvent content:	
· COV (USA) :	10-<25 %
· COV (CH) :	0.00 %
· Change in condition	
· Evaporation rate :	Not determined.

##### · Information with regard to physical hazard classes

· Explosives	Not classified as hazardous
· Flammable gases	Not classified as hazardous
· Aerosols	Not classified as hazardous

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· <b>Oxidising gases</b>	Not classified as hazardous
· <b>Gases under pressure</b>	Not classified as hazardous
· <b>Flammable liquids</b>	Not classified as hazardous
· <b>Flammable solids</b>	Not classified as hazardous
· <b>Self-reactive substances and mixtures</b>	Not classified as hazardous
· <b>Pyrophoric liquids</b>	Not classified as hazardous
· <b>Pyrophoric solids</b>	Not classified as hazardous
· <b>Self-heating substances and mixtures</b>	Not classified as hazardous
· <b>Substances and mixtures, which emit flammable gases in contact with water</b>	Not classified as hazardous
· <b>Oxidising liquids</b>	Not classified as hazardous
· <b>Oxidising solids</b>	Not classified as hazardous
· <b>Organic peroxides</b>	Not classified as hazardous
· <b>Corrosive to metals</b>	Not classified as hazardous
· <b>Desensitised explosives</b>	Not classified as hazardous

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions :** Reacts with oxidising agents.
- **10.4 Conditions to avoid :** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

### SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
  - **Acute toxicity** Harmful if swallowed.
  - **LD/LC50 values relevant for classification:**
- CAS: 122-99-6 2-phenoxyethanol**
- Oral LD50 1,394 mg/kg (ATE)  
1,260 mg/kg (rat)
- Dermal LD50 5,000 mg/kg (rabbit)
- CAS: 107-41-5 2-methylpentane-2,4-diol**
- Oral LD50 3,700 mg/kg (rat)
- Dermal LD50 8,560 mg/kg (rabbit)
- **On the skin:** Causes skin irritation.
  - **On the eyes:** Causes serious eye damage.
  - **Respiratory or skin sensitization** May cause an allergic skin reaction.
  - **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
  - **Carcinogenicity** Based on available data, the classification criteria are not met.
  - **Reproductive toxicity** Based on available data, the classification criteria are not met.
  - **STOT-single exposure** May cause respiratory irritation.
  - **STOT-repeated exposure** Based on available data, the classification criteria are not met.

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· **Aspiration hazard** Based on available data, the classification criteria are not met.

· **11.2 Information on other hazards**

· **Endocrine disrupting properties**

None of the ingredients is listed.

### SECTION 12: Ecological information

· **12.1 Toxicity**

· **Aquatic toxicity:**

**CAS: 122-99-6 2-phenoxyethanol**

LC50 96h  $\geq$ 100 mg/l (fish)

EC50 72h 500 mg/l (Algae)

EC50 48h 500 mg/l (crustaceans)

· **12.2 Persistence and degradability** : No further relevant information available.

· **12.3 Bioaccumulative potential** : No further relevant information available.

· **12.4 Mobility in soil** : No further relevant information available.

· **12.5 Results of PBT and vPvB assessment**

· **PBT**: Not applicable.

· **vPvB**: Not applicable.

· **12.6 Endocrine disrupting properties** For information on endocrine disrupting properties see section 11.

· **12.7 Other adverse effects** : No further relevant information available.

· **Remark**: Harmful to fish

· **Additional ecological information:**

· **General notes:**

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water



Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

Harmful to aquatic organisms

### SECTION 13: Disposal considerations

· **13.1 Waste treatment methods**

· **Recommendation** :



Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

· **European waste catalogue**

HP4 Irritant - skin irritation and eye damage

HP5 Specific Target Organ Toxicity (STOT)/Aspiration Toxicity

HP6 Acute Toxicity

HP14 Ecotoxic

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- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

### SECTION 14: Transport information

- **14.1 UN number or ID number**
- **DOT, ADR, IMDG, IATA** none
- **14.2 UN proper shipping name**
- **ADR, IMDG, IATA** none
- **14.3 Transport hazard class(es)**
- **ADR, ADN, IMDG, IATA**
- **Class** none
- **14.4 Packing group**
- **ADR, IMDG, IATA** none
- **14.5 Environmental hazards:** Not applicable.
- **14.6 Special precautions for user** Not applicable.
- **14.7 Maritime transport in bulk according to IMO instruments** Not applicable.
- **UN "Model Regulation":** none

### SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Poisons Act**
- **Regulated explosives precursors**  
None of the ingredients is listed.
- **Regulated poisons**  
None of the ingredients is listed.
- **Reportable explosives precursors**  
None of the ingredients is listed.
- **Reportable poisons**  
None of the ingredients is listed.
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3
- **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**  
None of the ingredients is listed.
- **REGULATION (EU) 2019/1148**
- **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**  
None of the ingredients is listed.
- **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**  
None of the ingredients is listed.

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· **Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

· **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Classification in accordance with Delegated Regulation (EU) 2022/692 of 16 February 2022 adapting to technical and scientific progress C.L.P for the 18th time and amending table 3 of Annex VI part 3 of Regulation (EC) 1272/2008.

Classification in accordance with Delegated Regulation (EU) 2023/1434 of 25 April 2023 adapting to technical and scientific progress for the 19th time C.L.P and amending Annex VI part 1, section 1.1.3 of Regulation (EC) 1272/2008.

Classification in accordance with Delegated Regulation (EU) 2023/1435 of 2 May 2023 adapting to technical and scientific progress for the 20th time C.L.P and amending Annex VI part 3 of Regulation (EC) 1272/2008.

Classification in accordance with Delegated Regulation (EU) 2024/197 of 19 October 2023 adapting to technical and scientific progress for the 21st time C.L.P and amending Annex VI part 3 of Regulation (EC) 1272/2008.

This Safety Data Sheet is in compliance with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

· **Relevant phrases**

H302 Harmful if swallowed.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H411 Toxic to aquatic life with long lasting effects.

· **Classification according to Regulation (EC) No 1272/2008**

Acute toxicity - oral

Skin corrosion/irritation

Serious eye damage/irritation

Skin sensitisation

Specific target organ toxicity (single exposure)

Hazardous to the aquatic environment - long-term

(chronic) aquatic hazard

· **Date of previous version:** 10.09.2024

· **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

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ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOCV: Lenkungsabgabe auf flüchtigen organischen Verbindungen, Schweiz (Swiss Ordinance on volatile organic compounds)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

ATE: Acute toxicity estimate values

Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Skin Sens. 1: Skin sensitisation – Category 1

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

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