

Safety data sheet
according to Regulation (EC) No 1907/2006, Article 31

Printing date 25.03.2026

Version number 1

Revision: 25.03.2026

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

1.1 Product identifier

Trade name **Ecose**

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

No further relevant information available.

Application of the substance / the mixture Cleaner

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

ARCORA® International GmbH

Marsstraße 9

D-85609 Aschheim

Telefon: +49 (0)89 / 14 33 29 3-0

Telefax: +49 (0)89 / 14 33 29 3-29

E-Mail: info@arcora.de

Informing department: Product safety department

1.4 Emergency telephone number:

Beratungsstelle bei Vergiftungen, Berlin (Giftnotrufzentrale Charité)

Tel.: +49 (0) 30 / 30686-700 (Beratung in Deutsch und Englisch)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

The product is not classified, according to the CLP regulation.

Additional information:

The classification of the mixture is based on the additivity principle of the ingredients to be considered as laid down in the CLP Regulation, taking into account specified substance-specific concentration limits (if available).

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 Void

Hazard pictograms Void

Signal word Void

Hazard statements Void

Precautionary statements

P102 Keep out of reach of children.

P302+P352 IF ON SKIN: Wash with plenty of water.

Additional information:

EUH208 Contains mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1 mixture). May produce an allergic reaction.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable

vPvB: Not applicable

Determination of endocrine-disrupting properties

The substance/mixture does not contain components in quantities of 0.1% or more considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Delegated Regulation (EU) 2018/605.

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 25.03.2026

Version number 1

Revision: 25.03.2026

Trade name *Ecose*

(Contd. of page 1)

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description: Mixture of the substances listed below with harmless additions (aqueous solution).

Dangerous components:

CAS: 67-63-0 EINECS: 200-661-7 Reg.nr.: 01-2119457558-25	propan-2-ol ⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319; STOT SE 3, H336	≥2.5-<5%
CAS: 112-34-5 EINECS: 203-961-6 Reg.nr.: 01-2119475104-44	2-(2-butoxyethoxy)ethanol ⚠ Eye Irrit. 2, H319	≥1-<2.5%

SVHC

This product does not contain any substances of very high concern (REACH Regulation (EC) No 1907/2006, Article 57).

Regulation (EC) No 648/2004 on detergents / Labelling for contents

non-ionic surfactants, preservation agents ("2-BROMO-2-NITROPROPANE-1,3-DIOL", mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1 mixture)), perfumes	<5%
---	-----

Additional information For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice: Change contaminated clothing

After inhalation Supply fresh air; consult doctor in case of symptoms.

After skin contact

Wash skin with water using soap if available. If persistent irritation occurs, obtain medical attention.

After eye contact

Rinse opened eye for 15 minutes under running water.

In case of persistent symptoms consult doctor.

After swallowing

Rinse out mouth and then drink plenty of water.

Seek medical treatment.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents

CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

For safety reasons unsuitable extinguishing agents Water with a full water jet.

(Contd. on page 3)

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 25.03.2026

Version number 1

Revision: 25.03.2026

Trade name *Ecose*

(Contd. of page 2)

5.2 Special hazards arising from the substance or mixture

Thermal decomposition may release irritant gases and vapours

5.3 Advice for firefighters

Protective equipment:

See section 8.

Wear full protective suit with self-contained breathing apparatus.

Additional information

Endangered containers in the surrounding area should be cooled with a water-hose.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep off unprotected persons

6.2 Environmental precautions:

Dilute with much water.

If large amounts are released, the authorities must be informed.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Contaminated material has to be disposed as waste (see item 13).

6.4 Reference to other sections No dangerous materials are released.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

The usual good standards of industrial hygiene should be maintained.

Information about protection against explosions and fires:

Pay attention to general rules of internal fire prevention.

7.2 Conditions for safe storage, including any incompatibilities

Storage Keep containers tightly closed. Store in cool, dry conditions.

Requirements to be met by storerooms and containers: No special requirements.

Information about storage in one common storage facility:

Pay attention to regulations / technical guidelines on mixed storage of flammable liquids.

Further information about storage conditions: None.

7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Components with critical values that require monitoring at the workplace:

CAS: 67-63-0 propan-2-ol (≥1-<2.5%)

AGW (Germany)	Long-term value: 500 mg/m ³ , 200 ppm 2(II);DFG, Y
---------------	--

(Contd. on page 4)

Safety data sheet
according to Regulation (EC) No 1907/2006, Article 31

Printing date 25.03.2026

Version number 1

Revision: 25.03.2026

Trade name *Ecose*

(Contd. of page 3)

DNELs

CAS: 67-63-0 propan-2-ol

Oral	DNEL (population)	26 mg/kg bw/day (Long-term - systemic effects)
Dermal	DNEL (worker)	888 mg/kg bw/day (Long-term - systemic effects)
	DNEL (population)	319 mg/kg bw/day (Long-term - systemic effects)
Inhalative	DNEL (worker)	500 mg/m ³ (Long-term - systemic effects)
	DNEL (population)	89 mg/m ³ (Long-term - systemic effects)

CAS: 112-34-5 2-(2-butoxyethoxy)ethanol

Oral	DNEL (population)	6.25 mg/kg bw/day (Long-term - systemic effects)
Inhalative	DNEL (worker)	101.2 mg/m ³ (Acute - local effects)
		67.5 mg/m ³ (Long-term - local effects)

Ingredients with biological limit values:

CAS: 67-63-0 propan-2-ol (≥1-<2.5%)

BGW (Germany)	25 mg/l Untersuchungsmaterial: Vollblut Probennahmezeitpunkt: Expositionsende bzw. Schichtende Parameter: Aceton
	25 mg/l Untersuchungsmaterial: Urin Probennahmezeitpunkt: Expositionsende bzw. Schichtende Parameter: Aceton

Additional information: The lists that were valid during the compilation were used as basis.

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

Wash hands during breaks and at the end of the work.

The usual precautionary measures should be adhered to in handling the chemicals.

Keep away from food, beverages and fodder.

Instantly remove any soiled and impregnated garments.

Avoid contact with the eyes.

Breathing equipment: Not required

Hand protection

Protective gloves and protective skin cream.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Eye/face protection Safety glasses recommended during refilling.

Body protection: Protective work clothing.

EU

(Contd. on page 5)

Safety data sheet
according to Regulation (EC) No 1907/2006, Article 31

Printing date 25.03.2026

Version number 1

Revision: 25.03.2026

Trade name *Ecosé*

(Contd. of page 4)

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Physical state	<i>liquid</i>
Colour:	<i>Light blue</i>
Smell:	<i>Pleasant</i>
Odour threshold:	<i>Not determined</i>
Melting point/freezing point:	<i>Not determined</i>
Boiling point or initial boiling point and boiling range	<i>Not determined</i>
Flammability	<i>Not applicable</i>
Lower and upper explosion limit	
Lower:	<i>Not determined</i>
Upper:	<i>Not determined</i>
Flash point:	<i>48 °C</i>
Decomposition temperature:	<i>Not determined</i>
pH at 20 °C	<i>ca. 8-9</i>
pH-value:	
Viscosity:	
Kinematic viscosity	<i>Not determined</i>
dynamic:	<i>Not determined</i>
Solubility	
Water:	<i>Fully miscible</i>
Partition coefficient n-octanol/water (log value)	<i>Not applicable for mixtures.</i>
Vapour pressure:	<i>Not determined</i>
Density and/or relative density	
Density at 20 °C	<i>0.993 g/cm³</i>
Relative density	<i>Not determined</i>
Vapour density	<i>Not determined</i>
Particle characteristics	<i>Not relevant (liquid)</i>

9.2 Other information

Appearance:	
Form:	<i>Fluid</i>
Important information on protection of health and environment, and on safety.	
Self-inflammability:	<i>Product is not selfigniting.</i>
Explosive properties:	<i>Product is not potentially explosive</i>
Change in condition	
Evaporation rate	<i>Not determined</i>

Information with regard to physical hazard classes

Explosives	<i>Void</i>
Flammable gases	<i>Void</i>
Aerosols	<i>Void</i>
Oxidising gases	<i>Void</i>

(Contd. on page 6)

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 25.03.2026

Version number 1

Revision: 25.03.2026

Trade name *Ecose*

(Contd. of page 5)

Gases under pressure	Void
Flammable liquids	Void
Flammable solids	Void
Self-reactive substances and mixtures	Void
Pyrophoric liquids	Void
Pyrophoric solids	Void
Self-heating substances and mixtures	Void
Substances and mixtures, which emit flammable gases in contact with water	Void
Oxidising liquids	Void
Oxidising solids	Void
Organic peroxides	Void
Corrosive to metals	Void
Desensitised explosives	Void

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 No dangerous reactions known

10.4 Conditions to avoid No further relevant information available.

10.5 Incompatible materials: strong oxidizing agents

10.6 Hazardous decomposition products:

Thermal decomposition can produce a variety of compounds, the precise nature of which will depend on the decomposition conditions.

SECTION 11: Toxicological information

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

Acute toxicity Based on available data, the classification criteria are not met.

LD/LC50 values that are relevant for classification:

CAS: 67-63-0 propan-2-ol

Oral	LD50	5,840 mg/kg (rat)
Dermal	LD50	>5,000 mg/kg (rabbit)
Inhalative	LC 50 / 4 h	30 mg/l (rat)

CAS: 112-34-5 2-(2-butoxyethoxy)ethanol

Oral	LD50	>5,000 mg/kg (rat)
		2,410 mg/kg (mouse)
Dermal	LD50	2,764 mg/kg (rabbit)

Primary irritant effect:

Skin corrosion/irritation Based on available data, the classification criteria are not met.

(Contd. on page 7)

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 25.03.2026

Version number 1

Revision: 25.03.2026

Trade name *Ecose*

(Contd. of page 6)

Serious eye damage/irritation Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

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 Based on available data, the classification criteria are not met.

STOT-repeated exposure Based on available data, the classification criteria are not met.

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

11.2 Information on other hazards

Endocrine disrupting properties

Not all ingredients are listed

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

The mixture has been classified according to Article 4.1.3.5 of the CLP Regulation based on the available data of the components (summation method):

The mixture has no aquatic toxicity.

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

The product does not contain substances with endocrine disrupting properties.

12.7 Other adverse effects

Additional ecological information:

General notes: Water hazard class 1 (Self-assessment): slightly hazardous for water.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

The following advice is related to new material and not to any processed products. In case of a mixture with other products other disposal methods may become necessary. If in doubt seek advice from product supplier or from local authorities.

Recommendation

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

If possible, send to be recycled, otherwise burn or deposit in a certified facility.

Waste disposal key number:

Since 01/01/99 the waste code numbers have not only been product-related but are also essentially application-related. The valid waste code number of the application can be obtained from the European waste catalogue.

(Contd. on page 8)

Safety data sheet
according to Regulation (EC) No 1907/2006, Article 31

Printing date 25.03.2026

Version number 1

Revision: 25.03.2026

Trade name *Ecose*

(Contd. of page 7)

Uncleaned packagings: Disposal must be made according to official regulations.

Recommendation:

After complete emptying and cleaning, send to be reconditioned or recycled.

Rented packaging: After optimal emptying, close immediately and return to the supplier without cleaning. Care should be taken that no other materials get into the packaging.

Other containers: After complete emptying and cleaning, send to be reconditioned or recycled.

Caution: Leftovers in the containers may cause the risk of explosion.

Uncleaned containers should not be perforated, cut or welded.

Recommended cleaning agent: Water, if necessary with cleaning agent.

SECTION 14: Transport information

14.1 UN number or ID number

ADR, IMDG, IATA

Void

14.2 UN proper shipping name

ADR, IMDG, IATA

Void

14.3 Transport hazard class(es)

ADR, IMDG, IATA

Class

Void

14.4 Packing group

ADR, IMDG, IATA

Void

14.5 Environmental hazards:

Not applicable

Marine pollutant:

No

14.6 Special precautions for user

Not applicable

14.7 Maritime transport in bulk according to IMO instruments

Not applicable

Transport/Additional information:

Not dangerous according to the above specifications.

UN "Model Regulation":

Void

SECTION 15: Regulatory information

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

TSCA (Toxic Substances Control Act)

All ingredients are listed.

Canadian Domestic Substances List (DSL)

All ingredients are listed.

(Contd. on page 9)

Safety data sheet
according to Regulation (EC) No 1907/2006, Article 31

Printing date 25.03.2026

Version number 1

Revision: 25.03.2026

Trade name *Ecose*

(Contd. of page 8)

Philippines Inventory of Chemicals and Chemical Substances (PICCS)

All ingredients are listed.

Chinese Chemical Inventory of Existing Chemical Substances (IECSC)

All ingredients are listed.

Australian Inventory of Industrial Chemicals (AIIC)

All ingredients are listed.

Korean Existing Chemical Inventory (KECI)

All ingredients are listed.

New Zealand Inventory of Chemicals (NZIoC)

All ingredients are listed.

Taiwan Chemical Substance Inventory (TCSI)

All ingredients are listed.

Japan - Existing Chemical Substances (ENCS)

All ingredients are listed.

Directive 2012/18/EU

Named dangerous substances - ANNEX I (12. BlmSchV) Not all ingredients are listed

REGULATION (EU) 2019/1021 on persistent organic pollutants (POP)

Not all ingredients are listed

LIST OF SUBSTANCES SUBJECT TO AUTHORISATION (ANNEX XIV)

Not all ingredients are listed

Regulation (EU) No 649/2012

Not all ingredients are listed

DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

Not all ingredients are listed

REGULATION (EU) 2019/1148

Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

Not all ingredients are listed

Annex II - REPORTABLE EXPLOSIVES PRECURSORS

Not all ingredients are listed

Regulation (EC) No 273/2004 on drug precursors

Not all ingredients are listed

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

Not all ingredients are listed

REGULATION (EU) 2024/590 on substances that deplete the ozone layer

Not all ingredients are listed

(Contd. on page 10)

Safety data sheet
according to Regulation (EC) No 1907/2006, Article 31

Printing date 25.03.2026

Version number 1

Revision: 25.03.2026

Trade name *Ecose*

(Contd. of page 9)

National regulations

Technical instructions (air):

Class	Share in %
NK	≥2.5-<5

Water hazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

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

SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. In accordance with Annex II of EC No 1907/2006 as applicable on the date of this safety data sheet.

Registration-Number

Relevant phrases

Complete wording of hazard statements and risk phrases (H- and R-phrases) mentioned in section 3. These phrases refer to the constituents. The labelling for this product is stated in section 2.

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

Registration-Number

Classification according to Regulation (EC) No 1272/2008

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

Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

LEV: Local Exhaust Ventilation

RPE: Respiratory Protective Equipment

RCR: Risk Characterisation Ratio (RCR= PEC/PNEC and RCR= Estimated Exposition/DNEL)

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

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

CLP: Classification, Labelling and Packaging (Regulation (EC) No. 1272/2008)

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

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

DNEL: Derived No-Effect Level (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

SVHC: Substance of Very High Concern

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 2: Flammable liquids – Category 2

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

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