

Trade name: ecosol BRITE S

Substance number: SUB302021180000

Version: 8 / EU

Date revised: 08.04.2019

the date of issue: 09.03.07

Replaces Version: 7 / EU

Print date: 18.04.19

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

1.1. Product identifier

ecosol BRITE S

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

Use of the substance/preparation

Liquid gloss agent for glass- and dishwashing-machines. For industrial application only.

1.3. Details of the supplier of the safety data sheet

Address/Manufacturer

HAGLEITNER HYGIENE International GmbH
Lunastrasse 5
A-5700 Zell am See
Telephone no. +43 (0)5 0456
Fax no. +43 (0)5 0456 7777
E-Mail regulatoryaffairs@hagleitner.at
Information provided Regulatory Affairs
by / telephone
E-mail address of regulatoryaffairs@hagleitner.at
person responsible
for this SDS

Address/Supplier

HAGLEITNER HYGIENE International GmbH
Lunastrasse 5
AT5700 Zell am See
Telephone no. +43 (0)5 0456
Fax no. +43 (0)5 0456 7777
E-mail address of regulatoryaffairs@hagleitner.at
person responsible
for this SDS

1.4. Emergency telephone number

Anti Poison Center Vienna: +43 (0)1 406 43430

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (Regulation (EC) No. 1272/2008)

Classification (Regulation (EC) No. 1272/2008)

Flam. Liq. 3	H226
Skin Irrit. 2	H315
Eye Dam. 1	H318
Aquatic Chronic 3	H412

The product is classified and labelled in accordance with Regulation (EC) No 1272/2008
For explanation of abbreviations see section 16.

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

Hazard pictograms

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**Signal word**

Danger

Hazard statements

H226 Flammable liquid and vapour.
 H315 Causes skin irritation.
 H318 Causes serious eye damage.
 H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 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.
 P310 Immediately call a POISON CENTER or doctor.

Hazardous component(s) to be indicated on label (Regulation (EC) No. 1272/2008)

contains ALCOHOL, C12/C15, ETHOXYLATED, PROPOXYLATED

For industrial application only.

2.3. Other hazards

No special hazards have to be mentioned.

SECTION 3: Composition/information on ingredients**3.2. Mixtures****Hazardous ingredients (Regulation (EC) No. 1272/2008)****ALCOHOL, C12/C15, ETHOXYLATED, PROPOXYLATED**

CAS No. 120313-48-6
 Concentration $\geq$ 10 < 25 %

Classification (Regulation (EC) No. 1272/2008)

Aquatic Acute 1	H400
Eye Dam. 1	H318
Skin Irrit. 2	H315
Aquatic Chronic 3	H412

Concentration limits (Regulation (EC) No. 1272/2008)

Aquatic Acute 1 M = 1

Citric acid, anhydrous

CAS No. 77-92-9
 EINECS no. 201-069-1
 Registration no. 01-2119457026-42
 Concentration $\geq$ 10 < 25 %

Classification (Regulation (EC) No. 1272/2008)

Eye Irrit. 2 H319

fatty alcohol alkoxylate 4

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CAS No.	POLYMER				
EINECS no.	POLYMER				
Registration no.	02-2119552554-37-0000				
Concentration	>= 10	<	25	%	

Classification (Regulation (EC) No. 1272/2008)

Acute Tox. 4 H302

Eye Irrit. 2 H319

Aquatic Chronic 3 H412

Propan-2-ol

CAS No.	67-63-0				
EINECS no.	200-661-7				
Registration no.	01-2119457558-25-XXXX				
Concentration	>= 10	<	20	%	

Classification (Regulation (EC) No. 1272/2008)

Flam. Liq. 2 H225

Eye Irrit. 2 H319

STOT SE 3 H336

Ingredients (Regulation (EC) No 648/2004)

30 % and more:
non-ionic surfactants

SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

Remove contaminated, soaked clothing immediately and dispose of safely.

After inhalation

Ensure supply of fresh air. No special measures required.

After skin contact

In case of contact with skin wash off with warm water. No special measures required.

After eye contact

In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. Eye treatment by an Oculist.

After ingestion

Rinse mouth thoroughly with water. If swallowed, seek medical advice immediately and show this container or label.

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

Until now no symptoms known so far.

4.3. Indication of any immediate medical attention and special treatment needed**Hints for the physician / treatment**

Treat symptomatically

SECTION 5: Firefighting measures**5.1. Extinguishing media**

Suitable extinguishing media

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Other information

Maintain air concentrations below occupational exposure standards.

8.2. Exposure controls

General protective and hygiene measures

Avoid prolonged and/or repeated contact with skin. Use barrier skin cream. Do not eat, drink or smoke during work time. Observe the usual precautions for handling chemicals.

Respiratory protection

Not necessary, but do not inhale vapours.

Hand protection

In case of intensive contact wear protective gloves.

Appropriate Material butyl

Material thickness = 0,5 mm

Breakthrough time >= 120 min

Appropriate Material nitrile

z.B.: BRILLANT nitrilX-TREME, Art.-Nr. 4451001000 oder BRILLANT nitrilSTYLE, Art.-Nr. 4451001300

Eye protection

Safety glasses

Body protection

Clothing as usual in the chemical industry.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form liquid, clear

Colour yellow

Odour Product specific

pH value

Value appr. 1,6 to 2,1

Concentration/H₂O 100 %

Temperature 20 °C

Remarks acidic

Value 3,0

Concentration/H₂O 100 g/l

Freezing point

Value appr. -4 to 4 °C

Sublimation point

Remarks not determined

Initial boiling point and boiling range

Value appr. 100 °C

Flash point

Value appr. 31 °C

Method closed cup

Evaporation rate

Remarks not determined

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Evaporation rate (ether = 1) :

Remarks not determined

Flammability (solid, gas)

Not ignitable

Vapour pressure

Remarks not determined

Vapour density

Remarks not determined

Density

Value	appr. 1		g/cm ³
Temperature	20	°C	

Solubility in water

Remarks Completely miscible

Solubility(ies)

Remarks not determined

Partition coefficient: n-octanol/water

Remarks not determined

Auto-ignition temperature

Remarks not determined

Combustion factor

Remarks not determined

Decomposition temperature

Remarks No decomposition if used as prescribed.

Viscosity**dynamic**

Value	appr. 130		mPa.s
Temperature	20	°C	

Oxidising properties

evaluation None known

9.2. Other information**Bulk density**

Remarks not determined

Packed bulk density

Remarks not determined

Solids content

Remarks not determined

Saturation Concentration

Remarks not determined

Critical point

Remarks not determined

Dissociation constant

Remarks not determined

Surface tension

Remarks not determined

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Other information

None known

SECTION 10: Stability and reactivity**10.1. Reactivity**

Reactions with impurities.

10.2. Chemical stability

Protect from extreme heat and cold.

10.3. Possibility of hazardous reactions

No hazardous reactions known.

10.4. Conditions to avoid

Keep at temperature not exceeding 30 °C.

Decomposition temperature

Remarks

No decomposition if used as prescribed.

10.5. Incompatible materials

No hazardous reactions when stored and handled according to prescribed instructions.

10.6. Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute oral toxicity (Components)****ALCOHOL, C12/C15, ETHOXYLATED, PROPOXYLATED**

Species	rat	
LD50	> 2000	mg/kg
Source	Manufacturer's data	

Propan-2-ol

Species	rat	
LD50	= 5280	mg/kg
Method	OECD 401	
Source	Manufacturer's data	

Citric acid, anhydrous

Species	rat	
LD50	= 3000	mg/kg
Source	Manufacturer's data	

fatty alcohol alkoxylate 4

Species	rat	
LD50	> 2000	mg/kg
Source	Manufacturer's data	

Acute dermal toxicity (Components)**Propan-2-ol**

Species	rabbit	
LD50	> 13900	mg/kg
Method	OECD 402	
Source	Manufacturer's data	

Acute inhalative toxicity (Components)

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Propan-2-ol

Species	rat		
LC50	>	25	mg/l
Duration of exposure	=	6	h
Method	OECD 403		
Source	Manufacturer's data		

Skin corrosion/irritation

evaluation	irritant
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Serious eye damage/irritation

evaluation	irritant
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Sensitization

evaluation	non-sensitizing
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Subacute, subchronic, chronic toxicity

Remarks	not determined
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Mutagenicity

Remarks	not determined
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Reproductive toxicity

Remarks	not determined
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Carcinogenicity

Remarks	not determined
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Specific Target Organ Toxicity (STOT)

Remarks	not determined
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Experience in practice

Inhalation may lead to irritation of the respiratory tract.

Other information

Product specific toxicological data are not known.

SECTION 12: Ecological information**12.1. Toxicity****Fish toxicity (Components)****ALCOHOL, C12/C15, ETHOXYLATED, PROPOXYLATED**

Species	zebra fish (Brachydanio rerio)		
LC50	=	0,1	to 1 mg/l
Duration of exposure	=	96	h
Source	Manufacturer's data		

fatty alcohol alkoxylate 4

Species	golden orfe (Leuciscus idus)		
LC50	=	1	to 10 mg/l
Duration of exposure	=	48	h
Source	Manufacturer's data		

Propan-2-ol

Species	golden orfe (Leuciscus idus)		
LC50		8970	to 9280 mg/l
Duration of exposure		48	h
Source	IUCLID		

Citric acid, anhydrous

Species	golden orfe (Leuciscus idus)		
LC50	=	440	to 760 mg/l

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Duration of exposure = 96 h
Source Manufacturer's data

Daphnia toxicity (Components)**ALCOHOL, C12/C15, ETHOXYLATED, PROPOXYLATED**

EC50 = 1 to 10 mg/l
Duration of exposure = 48 h
Source Manufacturer's data

fatty alcohol alkoxyate 4

LC50 = 1 to 10 mg/l
Duration of exposure = 48 h
Source Manufacturer's data

Propan-2-ol

Species Daphnia magna
EC50 9714 mg/l
Duration of exposure 24 h
Source IUCLID

Citric acid, anhydrous

Species Daphnia magna
EC50 = 120 mg/l
Duration of exposure = 72 h
Source Manufacturer's data

Citric acid, anhydrous

Species Entosiphon sulcatum
EC50 = 485 mg/l
Duration of exposure = 72 h
Source Manufacturer's data

Algae toxicity (Components)**ALCOHOL, C12/C15, ETHOXYLATED, PROPOXYLATED**

EC50 = 0,1 to 1 mg/l
Duration of exposure = 72 h
Source Manufacturer's data

Propan-2-ol

Species Scenedesmus quadricauda
LOEC 1800 mg/l
Duration of exposure 7 d
Source IUCLID

Citric acid, anhydrous

IC50 = 640 mg/l
Duration of exposure = 7 Days
Source Manufacturer's data

Citric acid, anhydrous

Species Microcystis aeruginosa (blue alge)
IC50 = 80 mg/l
Duration of exposure = 8 Days
Source Manufacturer's data

Bacteria toxicity (Components)**ALCOHOL, C12/C15, ETHOXYLATED, PROPOXYLATED**

Species Pseudomonas putida
EC10 > 1000 mg/l
Source Manufacturer's data

fatty alcohol alkoxyate 4

Species activated sludge

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	>	1000	mg/l
Propan-2-ol			
Species		Pseudomonas putida	
LOEC		1050	mg/l
Duration of exposure		16 h	
Source		IUCLID	
Citric acid, anhydrous			
Species		Pseudomonas putida	
IC5		> 10000	mg/l
Duration of exposure		= 16 h	
Source		Manufacturer's data	

12.2. Persistence and degradability**General information**

not determined

12.3. Bioaccumulative potential**General information**

not determined

Partition coefficient: n-octanol/water

Remarks not determined

12.4. Mobility in soil**General information**

not determined

12.5. Results of PBT and vPvB assessment**General information**

not determined

12.6. Other adverse effects**General information**

not determined

General information / ecology

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Disposal recommendations for the product**

EWC waste code 20 01 29* detergents containing dangerous substances

The listed waste code numbers, according to the European Waste Catalogue (EWC), are to be understood as a recommendation. A final decision must be made in agreement with the regional waste disposal company.

Disposal recommendations for packaging

Completely emptied packagings can be given for recycling.

SECTION 14: Transport information

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Land transport ADR/RID**14.1. UN number**

UN 1987

14.2. UN proper shipping name

ALCOHOLS, N.O.S. (Propan-2-ol)

14.3. Transport hazard class(es)

Class 3

Label 3

14.4. Packing group

Packing group III

Limited Quantity 5 I

Transport category 3

14.5. Environmental hazards

-

Tunnel restriction code D/E

**Marine transport IMDG/GGVSee****14.1. UN number**

UN 1987

14.2. UN proper shipping name

ALCOHOLS, N.O.S. (Propan-2-ol)

14.3. Transport hazard class(es)

Class 3

14.4. Packing group

Packing group III

14.5. Environmental hazards

Marine Pollutant

14.5. Environmental hazards

-

Air transport ICAO/IATA**14.1. UN number**

UN 1987

14.2. UN proper shipping name

ALCOHOLS, N.O.S. (Propan-2-ol)

14.3. Transport hazard class(es)

Class 3

14.4. Packing group

Packing group III

14.5. Environmental hazards

-

Information for all modes of transport**14.6. Special precautions for user**

Non-dangerous goods

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

not determined

SECTION 15: Regulatory information

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

30 % and more:

non-ionic surfactants

5 % or over but less than 15 %:

polycarboxylates

VOC

VOC (CH)	=	10	%
VOC (EU)	=	10	%

15.2. Chemical safety assessment

For this preparation a chemical safety assessment has not been carried out.

SECTION 16: Other information

Alterations/supplements: Alterations to the previous edition are marked with an asterisk (*) in the left-hand margin.

Hazard statements listed in Chapter 3

H225	Highly flammable liquid and vapour.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H412	Harmful to aquatic life with long lasting effects.

CLP categories listed in Chapter 3

Acute Tox. 4	Acute toxicity, Category 4
Aquatic Acute 1	Hazardous to the aquatic environment, acute, Category 1
Aquatic Chronic 3	Hazardous to the aquatic environment, chronic, Category 3
Eye Dam. 1	Serious eye damage, Category 1
Eye Irrit. 2	Eye irritation, Category 2
Flam. Liq. 2	Flammable liquid, Category 2
Skin Irrit. 2	Skin irritation, Category 2
STOT SE 3	Specific target organ toxicity - single exposure, Category 3

Abbreviations

ADR: Accord européen relatif au transport international des marchandises Dangereuses par Route
 IMDG: International Maritime Code for Dangerous Goods
 IATA: International Civil Aviation Organization
 CAS: Chemical Abstracts Service
 EINECS: European Inventory of Existing Commercial Chemical Substances
 VOC: Volatile Organic Compound
 NOEL: No observable effect level
 NOEC: No observable effect concentration
 LD: Lethal dose
 LC: Lethal concentration
 REACH: Registration, Evaluation, Autohorisation and Restriction of Chemicals
 IMO: International Maritime Organization
 DNEL: Derived no effect level
 PNEC: Predicted no effect concentration
 RID: Règlement concernant le transport international ferroviaire de marchandises dangereuses
 EC: European Community

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EU: European Union

GHS: Globally Harmonized System of classification and Labelling of Chemicals

MAK: Maximale Arbeitsplatz-Konzentration

INCI: International Nomenclature of Cosmetic Ingredients

UN: United Nations

Supplemental information

Relevant changes compared with the previous version of the safety data sheet are marked with: ***

This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.

