

Trade name: ecosol BRITE N

Substance number: SUB302021170000

Version: 12 / EU

Date revised: 08.04.2019

the date of issue: 09.03.07

Replaces Version: 11 / EU

Print date: 18.04.19

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

1.1. Product identifier

ecosol BRITE N

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 by / telephone Regulatory Affairs
E-mail address of person responsible for this SDS regulatoryaffairs@hagleitner.at

Distributor

Peerless JAL Pty Ltd
www.peerlessjal.com.au
Street Address: 6-12 Raglan St,
Preston VIC 3072

Emergency Telephone Number:
03 9416 6700

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 person responsible for this SDS regulatoryaffairs@hagleitner.at

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)

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

H315 Causes skin irritation.
 H318 Causes serious eye damage.
 H412 Harmful to aquatic life with long lasting effects.
 EUH208 Contains A mixture of: 5-Chloro-2-methyl-2h-isothiazol-3-one [EC-no. 247-500-7] and 2-Methyl-2H-isothiazol-3-one [EC-no. 220-239-6] (3:1), May produce an allergic reaction.

Precautionary statements

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	>=	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

fatty alcohol alkoxyate 4

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

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Ethanol

CAS No.	64-17-5				
EINECS no.	200-578-6				
Registration no.	01-2119457610-43-XXXX				
Concentration	>= 1	<	10	%	

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

Flam. Liq. 2	H225
Eye Irrit. 2	H319

A mixture of: 5-Chloro-2-methyl-2h-isothiazol-3-one [EC-no. 247-500-7] and 2-Methyl-2H-isothiazol-3-one [EC-no. 220-239-6] (3:1)

CAS No.	55965-84-9				
Concentration		<	0,0015	%	

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

Acute Tox. 3	H331
Aquatic Chronic 1	H410
Aquatic Acute 1	H400
Skin Sens. 1	H317
Skin Corr. 1B	H314
Acute Tox. 3	H311
Acute Tox. 3	H301

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

Skin Irrit. 2	H315	>= 0,06 < 0,6
Eye Irrit. 2	H319	>= 0,06 < 0,6
Skin Corr. 1B	H314	>= 0,6
Skin Sens. 1	H317	>= 0,0015

Ingredients (Regulation (EC) No 648/2004)

30 % and more:

non-ionic surfactants

preservation agents:

METHYLCHLOROISOTHIAZOLINONE

METHYLISOTHIAZOLINONE

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 Occulist.

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

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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

Compatible with all usual extinguishing media.

Non suitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

None known

5.3. Advice for firefighters

Special protective equipment for fire-fighting

In case of combustion use a suitable breathing apparatus.

Other information

Fire residues and contaminated fire-fighting water must be disposed of in accordance with the local regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

High risk of slipping due to leakage/spillage of product. Use personal protective clothing.

6.2. Environmental precautions

Do not discharge into the subsoil/soil. Do not discharge into surface waters/groundwater.

6.3. Methods and material for containment and cleaning up

Take up with absorbent material (eg sand, kieselguhr, universal binder). Rinse away rest with plenty of water.

6.4. Reference to other sections

Refer to protective measures listed in Sections 7 and 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Keep container tightly closed. Observe the usual precautions for handling chemicals. Provide good ventilation of working area (local exhaust ventilation if necessary).

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking.

7.2. Conditions for safe storage, including any incompatibilities

Recommended storage temperature

Value \geq 5 \leq 25 °C

Storage stability

Storage life: 3 years

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Requirements for storage rooms and vessels

Keep only in the original container. Storage rooms must be properly ventilated.

Further information on storage conditions

Keep locked up and out of the reach of children. Keep container tightly closed; open and handle with care.

7.3. Specific end use(s)

Liquid gloss agent for glass- and dishwashing-machines.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Exposure limit values****Ethanol**

List	TRGS 900			
Type	TRGS 900			
Value	500	mg/m ³	960	ml/m ³
Maximum limit value: 2(II)				

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	blue
Odour	Product specific

pH value

Value	7,4	
Concentration/H ₂ O	100	%
Temperature	20	°C
Remarks	neutral	

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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. 48 °C

Method closed cup

Evaporation rate

Remarks not determined

Evaporation rate (ether = 1) :

Remarks not determined

Vapour pressure

Remarks not determined

Vapour density

Remarks not determined

DensityValue appr. 0,99 g/cm³

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. 60 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

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Saturation Concentration

Remarks not determined

Critical point

Remarks not determined

Dissociation constant

Remarks not determined

Surface tension

Remarks not determined

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	

fatty alcohol alkoxyate 4

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

Ethanol

Species	rat	
LD50	> 2000	mg/kg
Method	OECD 401	

Acute inhalative toxicity (Components)**Ethanol**

Species	rat
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LC50	>	20		mg/l
Duration of exposure	=	4	h	
Administration/Form		Vapors		

Skin corrosion/irritation

evaluation irritant

Serious eye damage/irritation

evaluation slight irritant effect - does not require labelling

Sensitization

evaluation non-sensitizing

Subacute, subchronic, chronic toxicity

Remarks not determined

Mutagenicity

Remarks not determined

Reproductive toxicity

Remarks not determined

Carcinogenicity

Remarks not determined

Specific Target Organ Toxicity (STOT)

Remarks not determined

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 (<i>Brachydanio rerio</i>)				
LC50	=	0,1	to	1	mg/l
Duration of exposure	=	96	h		
Source	Manufacturer's data				

fatty alcohol alkoxyate 4

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

Ethanol

Species	Fathead minnow (<i>Pimephales promelas</i>)			
LC50	=	15300		mg/l
Duration of exposure	=	96	h	
Method	US-EPA			

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

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

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

Ethanol

Species	Ceriodaphnia spec				
EC50	>	10000			mg/l
Duration of exposure	=	48	h		
Source	Manufacturer's data				

Ethanol

Species	Daphnia magna				
EC50	>	10000			mg/l
Duration of exposure	=	48	h		

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

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

Ethanol

Species	Chlorella vulgaris				
EC10	=	11,5			mg/l
Duration of exposure	=	3	d		
Method	OECD TG 201				

Ethanol

Species	Chlorella vulgaris				
EC50	=	275			mg/l
Duration of exposure	=	3	d		
Method	OECD TG 201				

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				
	>	1000			mg/l

Ethanol

	=	5800			mg/l
Duration of exposure	=	4	h		

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

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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

Land transport ADR/RID

14.1. UN number

UN 1987

14.2. UN proper shipping name

ALCOHOLS, N.O.S. (Ethanol)

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

ENVIRONMENTALLY HAZARDOUS

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. (Ethanol)

14.3. Transport hazard class(es)

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Class 3

14.4. Packing group

Packing group III

14.5. Environmental hazards

Marine Pollutant

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS

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

UN 1987

14.2. UN proper shipping name

ALCOHOLS, N.O.S. (Ethanol)

14.3. Transport hazard class(es)

Class 3

14.4. Packing group

Packing group III

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS

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

The relevant transport regulations have to be considered.

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

not determined

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****30 % and more:**

non-ionic surfactants

Further ingredients

A mixture of: 5-Chloro-2-methyl-2h-isothiazol-3-one [EC-no. 247-500-7] and 2-Methyl-2H-isothiazol-3-one [EC-no. 220-239-6] (3:1)

VOC

VOC (CH) = 8 %

VOC (EU) = 8 %

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.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.

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H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

CLP categories listed in Chapter 3

Acute Tox. 3	Acute toxicity, Category 3
Acute Tox. 4	Acute toxicity, Category 4
Aquatic Acute 1	Hazardous to the aquatic environment, acute, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment, chronic, 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 Corr. 1B	Skin corrosion, Category 1B
Skin Irrit. 2	Skin irritation, Category 2
Skin Sens. 1	Skin sensitization, Category 1

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
 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.

