

Trade name: ecosol BRITE N

Substance number: SUB302021170000

Version: 12 / EU

Date revised: 20.02.2020

the date of issue: 09.03.07

Replaces Version: 11 / EU

Print date: 07.01.2022

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.com
Information provided Regulatory Affairs
by / telephone
E-mail address of regulatoryaffairs@hagleitner.com
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 4343

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.

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2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

Hazard pictograms



Signal word

Danger

Hazard statements

H315 Causes skin irritation.
 H318 Causes serious eye damage.
 H412 Harmful to aquatic life with long lasting effects.

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

EUH208 Contains reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3- one [EC no. 220-239-6] (3:1) [EC no. 220-239-6] (3:1), May produce an allergic reaction.

Supplemental information

For industrial application only.

2.3. Other hazards

Repeated exposure may cause skin dryness or cracking.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients

ALCOHOL, C12/C15, ETHOXYLATED, PROPOXYLATED

CAS No.	120313-48-6				
Concentration	>=	10	<	25	%
Classification	Xi, R38 N, R50				

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

Aquatic Acute 1	H400
Eye Dam. 1	H318

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Skin Irrit. 2 H315
Aquatic Chronic 3 H412

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

Aquatic Acute 1 M = 1

fatty alcohol alkoxylate 4

CAS No. POLYMER
EINECS no. POLYMER
Registration no. 02-2119552554-37-0000
Concentration ≥ 10 < 25 %
Classification Xi, R36/38
N, R50

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

Acute Tox. 4 H302
Eye Irrit. 2 H319
Aquatic Chronic 3 H412

ethanol

CAS No. 64-17-5
EINECS no. 200-578-6
Registration no. 01-2119457610-43-XXXX
Concentration ≥ 1 < 10 %
Classification F, R11

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

Flam. Liq. 2 H225

reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one [EC no. 247-500-7]and 2-methyl-2H-isothiazol-3- one [EC no. 220-239-6] (3:1) [EC no. 220-239-6] (3:1)

CAS No. 55965-84-9
Concentration < 0,0015 %
Classification T, R23/24/25
N, R50/53
C, R34
R43

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

Acute Tox. 2 H310
Aquatic Acute 1 H400
Aquatic Chronic 1 H410
Skin Sens. 1A H317
Skin Corr. 1C H314
Acute Tox. 2 H330
Acute Tox. 3 H301
Eye Dam. 1 H318

Route of exposure: dermal

Route of exposure: inhalative

Route of exposure: oral

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

Eye Dam. 1 H318 $\geq 0,6$
Eye Irrit. 2 H319 $\geq 0,06 < 0,6$

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Skin Corr. 1C	H314	$\geq 0,6$
Skin Irrit. 2	H315	$\geq 0,06 < 0,6$
Skin Sens. 1A	H317	$\geq 0,0015$
Aquatic Acute 1		M = 100
Aquatic Chronic 1		M = 100

CLP

Regulation (EC) No 1272/2008, Annex VI, Note B

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 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**

Compatible with all usual extinguishing media.

Non suitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

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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 >= 5 <= 25 °C

Storage stability

Storage life: 3 years

Requirements for storage rooms and vessels

Keep only in original packaging. 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)

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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		
Material thickness		0,4	mm
Breakthrough time	>=	480	min

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

Freezing point

Value appr. -4 to 4 °C

Sublimation point

Remarks not determined

Initial boiling point and boiling range

Value appr. 100 °C

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Flash point

Value	appr. 48	°C
Method	closed cup	

Evaporation rate

Remarks	not determined
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Evaporation rate (ether = 1) :

Remarks	not determined
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Vapour pressure

Remarks	not determined
---------	----------------

Vapour density

Remarks	not determined
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Density

Value	appr. 0,99	g/cm ³
Temperature	20	°C

Solubility in water

Remarks	Completely miscible
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Solubility(ies)

Remarks	not determined
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Partition coefficient: n-octanol/water

Remarks	not determined
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Auto-ignition temperature

Remarks	not determined
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Combustion factor

Remarks	not determined
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Decomposition temperature

Remarks	No decomposition if used as prescribed.
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Viscosity**dynamic**

Value	appr. 60	mPa.s
Temperature	20	°C

Oxidising properties

evaluation	None known
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9.2. Other information**Bulk density**

Remarks	not determined
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Packed bulk density

Remarks	not determined
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Solids content

Remarks	not determined
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Saturation Concentration

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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.

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 alkoxylate 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)

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ethanol

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

Skin corrosion/irritation

evaluation	irritant
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Serious eye damage/irritation

evaluation	slight irritant effect - does not require labelling
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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		

ethanol

Species	Fathead minnow (Pimephales promelas)		
LC50	=	15300	mg/l

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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

fatty alcohol alkoxylate 4

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 alkoxylate 4

Species activated sludge

> 1000 mg/l

ethanol

= 5800 mg/l

Duration of exposure = 4 h

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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	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
Tunnel restriction code	D/E		
14.1. UN number	1987	1987	1987
14.2. UN proper shipping name	ALCOHOLS, N.O.S. (ethanol)	ALCOHOLS, N.O.S. (ethanol)	ALCOHOLS, N.O.S. (ethanol)
14.3. Transport hazard class(es)	3	3	3
Label			
14.4. Packing group	III	III	III
Limited Quantity	5 l		
Transport category	3		
14.5. Environmental hazards	 ENVIRONMENTALLY HAZARDOUS	Marine Pollutant 	 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

reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H

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-isothiazol-3- one [EC no. 220-239-6] (3:1) [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.
H310	Fatal in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal 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. 2	Acute toxicity, Category 2
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. 1C	Skin corrosion, Category 1C
Skin Irrit. 2	Skin irritation, Category 2
Skin Sens. 1A	Skin sensitization, Category 1A

Abbreviations

ADR: Accord européen relatif au transport international des marchandises Dangereuses par Route
 IMDG: International Maritime Code for Dangerous Goods
 IATA: International Air Transport Association
 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

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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.

