

Trade name: ecosol PLUS

Substance number: SUB302020040000

Version: 11 / EU

Date revised: 30.09.2024

the date of issue: 10.12.12

Replaces Version: 10 / EU

Print date: 03.10.2024

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

1.1. Product identifier

ecosol PLUS

Substance / product identification

UFI

YQK3-U0YX-E003-EHC6

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

Use of the substance/preparation

Liquid cleanser for industrial dishwashing-machines. For professional use 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

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.com

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 Corr. 1A

H314

Eye Dam. 1

H318

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

H314 Causes severe skin burns and eye damage.

Precautionary statements

P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
 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 sodium hydroxide

Supplemental information

For professional use only.

2.3. Other hazards

No special hazards have to be mentioned. The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients

sodium hydroxide

CAS No. 1310-73-2
 EINECS no. 215-185-5
 Registration no. 01-2119457892-27-XXXX
 Concentration ≥ 10 < 25 %
 Classification (Regulation (EC) No. 1272/2008)
 Skin Corr. 1A H314

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

Eye Irrit. 2	H319	$\geq 0,5$ < 2 %
Skin Corr. 1A	H314	≥ 5 %
Skin Corr. 1B	H314	≥ 2 < 5 %
Skin Irrit. 2	H315	$\geq 0,5$ < 2 %

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ATE

oral

2.000

mg/kg

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

When spray fog inhaled, seek medical aid immediately and show the physician the packing or the packing label. Ensure supply of fresh air. In the event of symptoms take medical treatment.

After skin contact

After contact with skin, wash immediately with plenty of water. Seek medical advice immediately.

After eye contact

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

After ingestion

Do not induce vomiting. Drink water in small gulps. Never give anything by mouth to an unconscious person. Take medical treatment.

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

The following symptoms may occur: Shortness of breath, Coughing

4.3. Indication of any immediate medical attention and special treatment needed

Hints for the physician / hazards

Risk of stomach perforation; Risk of respiratory disorders

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Water spray jet, Foam, ABC powder, Product itself is non-combustible; adapt fire extinguishing measures to surrounding areas.

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

Wear full protective suit. 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. Cool endangered containers with water spray jet.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective clothing. High risk of slipping due to leakage/spillage of product. Avoid contact with skin, eyes and clothing. Refer to protective measures listed in Sections 7 and 8.

6.2. Environmental precautions

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. Dispose of as prescribed.

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

Use only alkali-proof equipment. Observe the usual precautions for handling chemicals. Handle and open container with care.

Advice on protection against fire and explosion

No special measures required.

7.2. Conditions for safe storage, including any incompatibilities

Recommended storage temperature

Value $\geq$ 5 $\leq$ 25 °C

Storage stability

Storage life: 3 years

Requirements for storage rooms and vessels

Keep only in original packaging. Provide alkali-resistant floor.

Hints on storage assembly

Do not store together with: Acids, Do not store together with foodstuffs.

Storage classes

Storage class according to TRGS 510 8B Non-combustible corrosive hazardous substances

Further information on storage conditions

Keep container tightly closed; open and handle with care. Protect from frost.

7.3. Specific end use(s)

Liquid cleanser for industrial dishwashing-machines.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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Other information

Maintain air concentrations below occupational exposure standards.

8.2. Exposure controls**General protective and hygiene measures**

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Observe the usual precautions for handling chemicals.

Respiratory protection

Not necessary, but do not inhale vapours. Breathing apparatus in the event of aerosol or mist formation.

Hand protection

Gloves (alkali-resistant)

Appropriate Material nitrile

Material thickness = 0,1 mm

Breakthrough time > 480 min

z.B.: BRILLANT nitrilCOMFORT, Art.-Nr. 4451000700 oder BRILLANT nitrilSTYLE, Art.-Nr. 4451001300

Gloves (alkali-resistant)

Appropriate Material neoprene

Material thickness = 0,35 mm

Breakthrough time > 480 min

Eye protection

Tightly fitting safety glasses

Body protection

Alkali-resistant protective clothing

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties****Physical state** liquid, clear**Colour** yellow**Odour** strongly product-specific**Freezing point**

Value appr. -4 to 4 °C

Boiling point or initial boiling point and boiling range

Value appr. 100 °C

Upper and lower explosive limits

Remarks Not applicable

Flash point

Value > 100 °C

Ignition temperature

Remarks Not applicable

Decomposition temperature

Remarks No decomposition if used as prescribed.

pH value

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Value	>	12	
Concentration/H ₂ O		1	%
Temperature		20	°C

Viscosity

Remarks not determined

Solubility(ies)

Remarks not determined

Partition coefficient n-octanol/water (log value)

Remarks not determined

Vapour pressure

Remarks not determined

Density and/or relative density

Value	appr.	1,30		g/cm ³
Temperature		20	°C	

Relative vapour density

Remarks not determined

9.2. Other information**Sublimation point**

Remarks not determined

Evaporation rate

Remarks not determined

Evaporation rate (ether = 1) :

Remarks not determined

Solubility in water

Remarks Completely miscible

Oxidising properties

Remarks Not applicable

Bulk density

Remarks not determined

Packed bulk density

Remarks not determined

Solids content

Remarks not determined

Surface tension

Remarks not determined

Other information

None known

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

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Reactions with acids and strong oxidising agents.

10.2. Chemical stability

Protect from extreme heat and cold.

10.3. Possibility of hazardous reactions

Protect from contamination.

10.4. Conditions to avoid

Do not store at temperatures below -5 °C.

10.5. Incompatible materials

Acids, Oxidising agents, Aluminium, 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 hazard classes as defined in Regulation (EC) No 1272/2008****Acute oral toxicity**

ATE	> 10.000	mg/kg
Method	calculated value (Regulation (EC) No. 1272/2008)	

Skin corrosion/irritation

evaluation	strongly corrosive
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Serious eye damage/irritation

evaluation	strongly corrosive
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Sensitization

evaluation	non-sensitizing
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Subacute, subchronic, chronic toxicity

Remarks	No data available
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Mutagenicity

Remarks	No data available
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Reproductive toxicity

Remarks	No data available
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Carcinogenicity

Remarks	No data available
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Specific Target Organ Toxicity (STOT)

Remarks	No data available
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11.2 Information on other hazards**Endocrine disrupting properties with respect to humans**

The product does not contain a substance that has endocrine disrupting properties with respect to humans.

Experience in practice

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The product has a strong caustic effect on the skin, eyes and mucous membranes.

Other information

Product specific toxicological data are not known.

SECTION 12: Ecological information**12.1. Toxicity****Fish toxicity (Components)****sodium hydroxide**

LC50 = 35 to 189 mg/l

Daphnia toxicity (Components)**sodium hydroxide**

Species Ceriodaphnia spec
EC50 = 40,4 mg/l

Algae toxicity (Components)**sodium hydroxide**

Remarks No data available

Bacteria toxicity (Components)**sodium hydroxide**

Remarks No data available

12.2. Persistence and degradability**General information**

No data available

12.3. Bioaccumulative potential**General information**

No data available

Partition coefficient n-octanol/water (log value)

Remarks not determined

12.4. Mobility in soil**General information**

No data available

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

Not applicable

12.6 Endocrine disrupting properties**General information**

The mixture has been assessed following the summation method of the CLP Regulation (EC) No 1272/2008 and is classified for eco-toxicological properties accordingly. See Sections 2 and 3 for details.

Endocrine disrupting properties with respect to the environment

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The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

12.7. Other adverse effects

General information

not determined

Global Warming Potential

Remarks not determined

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations for the product

EWC waste code 20 01 15* alkalines

Dispose of as hazardous waste.

Disposal recommendations for packaging

EWC waste code 20 01 39 plastics

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	E		
14.1. UN number	1824	1824	1824
14.2. UN proper shipping name	SODIUM HYDROXIDE SOLUTION	SODIUM HYDROXIDE SOLUTION	SODIUM HYDROXIDE SOLUTION
14.3. Transport hazard class(es)	8	8	8
Label			
14.4. Packing group	II	II	II
Limited Quantity	1 I		
Transport category	2		
14.5. Environmental hazards	-		-

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

The relevant transport regulations have to be considered.

Other information**14.7 Maritime transport in bulk according to IMO instruments**

not determined

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****5 % or over but less than 15 %:**

polycarboxylates

less than 5 %:

phosphonates

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Water Hazard Class (Germany)

Water Hazard Class WGK 3

(Germany)

Remarks

Derivation of WGK according to Annex 1 No. 5.2 AwSV

VOC

VOC (CH) = 0,1 %

VOC (EU) = 0,1 %

Substance / product identification

UFI

YQK3-U0YX-E003-EHC6

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.

Classification and method used to derive the classification of mixtures in accordance with Regulation (EC) No 1272/2008 [CLP]: Based on test data, calculation method;

Hazard statements listed in Chapter 3

H314

Causes severe skin burns and eye damage.

CLP categories listed in Chapter 3

Skin Corr. 1A

Skin corrosion, Category 1A

Abbreviations

ADR: Accord européen relatif au transport international des marchandises Dangereuses par Route

CAS: Chemical Abstracts Service

IMDG: International Maritime Code for Dangerous Goods

EAK: Europäischer Abfallkatalog

EINECS: European Inventory of Existing Commercial Chemical Substances

VOC: Volatile Organic Compound

INCI: International Nomenclature of Cosmetic Ingredients

MAK: Maximale Arbeitsplatz-Konzentration

REACH: Registration, Evaluation, Autohorisation and Restriction of Chemicals

NOEL: No observable effect level

NOEC: No observable effect concentration

LD: Lethal dose

LC: Lethal concentration

GHS: Globally Harmonized System of classification and Labelling of Chemicals

EU: European Union

EC: European Community

IMO: International Maritime Organization

RID: Règlement concernant le transport international ferroviaire de marchandises dangereuses

DNEL: Derived no effect level

DMEL: Derived minimal effect level

PNEC: Predicted no effect concentration

CEFIC: European Chemical Industry Council

UN: United Nations

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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.

