
SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier**

Product Name: Ecozyme 3

UFI:

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

Use of the substance/mixture: Cleaning agent, Surface treatment

1.3 Details of the supplier of the safety data sheet

SECTION 2: Hazards identification**2.1 Classification of the substance or mixture**

CLP: Eye Dam. 1

2.2 Label elements

Signal Word: Danger

Hazard statements

Causes serious eye damage (H318).

Precautionary statements

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing (P305+P351+P338).

Wear protective gloves/protective clothing/eye protection/face protection (P280).

Immediately call a POISON CENTER or doctor/physician (P310).

2.3 Other hazardsContains: Alcohols, C9-11, ethoxylated

SECTION 3: Composition/information on ingredients**3.2 Mixtures****BENZENESULFONIC ACID, MONO-C10-16-ALKYL DERIVS., SODIUM SALTS**

CAS Number:

68081-81-2

SECTION 3: Composition/information on ingredients (....)

EC Number: 268-356-1
Concentration: < 10%
Specific Concentration Limits:
M factor:
Acute toxicity estimate:
Categories: Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1
Symbols: GHS05, GHS07
H Statements: H302, H315, H318

Ethylenediaminetetraacetic acid, tetrasodium salt

CAS Number: 64-02-8
EC Number: 200-573-9
Concentration: <1%
Specific Concentration Limits:
M factor:
Acute toxicity estimate:
Categories: Acute Tox. 4, Eye Dam. 1
Symbols: GHS05;GHS07
H Statements: H302;H318

Alcohols, C9-11, ethoxylated

CAS Number: 68439-46-3
EC Number: 614-482-0
Concentration: < 10%
Specific Concentration Limits:
M factor:
Acute toxicity estimate:
Categories: Acute Tox. 4, Eye Dam. 1
Symbols: GHS05, GHS07
H Statements: H302, H318

1,2-benzisothiazol-3(2H)-one

CAS Number: 2634-33-5
EC Number: 220-120-9
Concentration: <1%
Specific Concentration Limits: Skin Sens. 1; H317: C ≥ 0,05 %
M factor:
Acute toxicity estimate:
Categories: Acute Tox. 4; Skin Irrit. 2; Eye Dam. 1; Skin Sens. 1; Aquatic Acute 1
Symbols: GHS05,GHS07,GHS09
H Statements: H302,H315,H318,H317,H400

BENZENESULFONIC ACID, 4-C10-13-SEC-ALKYL DERIVS., COMPDS. WITH 2PROPANAMINE

CAS Number: 84961-74-0
EC Number: 284-664-9
Concentration: < 10%

SECTION 3: Composition/information on ingredients (....)

Specific Concentration Limits:

M factor:

Acute toxicity estimate:

Categories: Skin Irrit. 2, Eye Irrit. 2, Aquatic Chronic 3

Symbols: GHS07

H Statements: H315, H319, H412

SECTION 4: First aid measures**4.1 Description of first aid measures**

- IF ON SKIN: Gently wash with plenty of soap and water.
- IF ON CLOTHING: rinse immediately contaminated clothing and skin with plenty of water before removing clothes.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- When in doubt or symptoms persist, seek medical attention

4.2 Most important symptoms and effects, both acute and delayed

- Mildly irritating to skin and eyes
- In cases of severe exposure, nausea/vomiting may develop
- Possible redness and irritation of affected areas
- May cause redness and irritation
- May cause severe irritation
- Can cause damage to the eyes and skin

4.3 Indication of any immediate medical attention and special treatment needed

- Obtain immediate medical attention
 - Immediately call a POISON CENTER or doctor/physician.
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SECTION 5: Firefighting measures**5.1 Extinguishing media**

- Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions

5.2 Special hazards arising from the substance or mixture

- No hazard expected under normal conditions of use

5.3 Advice for firefighters

- Wear Breathing Apparatus
 - Wear full protective clothing including chemical protection suit
 - Wear chemical protection suit and positive-pressure breathing apparatus
 - Prevent run off water from entering drains if possible
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SECTION 6: Accidental release measures**Spillage causes slippery surface****6.1 Personal precautions, protective equipment and emergency procedures**

- Contain spillage by any means possible
- Wear protective clothing as per section 8
- Wear eye/face protection

6.2 Environmental precautions

- Use appropriate containment to avoid environmental contamination
- Avoid release to the environment. Refer to special instructions/Safety data sheets
- Do not empty into drains

6.3 Methods and material for containment and cleaning up

SECTION 6: Accidental release measures (....)

- Absorb spillage in dry sand
- Absorb spillage in earth or sand
- Remove contaminated material to safe location for subsequent disposal

6.4 Reference to other sections

- See Section 8 and 13
- See Section 8
- See Section 8 and 13

SECTION 7: Handling and storage**7.1 Precautions for safe handling**

- Wear protective gloves/protective clothing/eye protection/face protection.

7.2 Conditions for safe storage, including any incompatibilities

- Store in a well-ventilated place. Keep container tightly closed.

7.3 Specific end use(s)

- No information available

SECTION 8: Exposure controls/personal protection**8.1 Control parameters****DIPROPYLENE GLYCOL METHYL ETHER****DNEL**

Exposure	Value	Population	Effect
Dermal	283 mg/kg/day	Workers	Systemic
Inhalation	308 mg/kg	Workers	Systemic
Dermal	121 mg/kg/day	Consumers	Systemic
Inhalation	37.2mg/m3	Consumers	Systemic
Oral	36 mg/kg/day	Consumers	Systemic

PNEC

Exposure	Value	Population	Effect
Fresh water	19 mg/l	-	-
Marine water	1.9 mg/l	-	-
Intermittent release	190 mg/l	-	-
STP	4168 mg/l	-	-
Sediment (Freshwater)	70.2 mg/kg/day	-	-
Sediment (Marine water)	7.02 mg/kg/day	-	-
Soil (agricultural)	2.74 mg/kg/day	-	-

BENZENESULFONIC ACID, 4-C10-13-SEC-ALKYL DERIVS., COMPDS**DNEL**

Exposure	Value	Population	Effect
Inhalation	3.33mg/m3	Workers	Systemic
Dermal	0.94 mg/kg/day	Workers	Systemic
Inhalation	0.82 mg/m3	Consumers	Systemic
Dermal	0.47 mg/m3	Consumers	Systemic
Oral	0.47 mg/kg/day	Consumers	Systemic

PNEC

Exposure	Value	Population	Effect
Fresh water	0.268mg/l	-	-
Marine water	0.0268mg/l	-	-
Soil (agricultural)	35mg/kg	-	-
Fresh water sediments	8.1mg/kg	-	-
Marine sediments	8.1mg/kg	-	-
STP	1.67mg/L	-	-

SECTION 8: Exposure controls/personal protection (....)**8.2 Exposure controls**

- Wear protective gloves/protective clothing/eye protection/face protection.
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SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

Physical state:	Liquid
Colour:	Cream
Odour:	Characteristic odour
Melting point/Range:	Not available
Boiling Point/Range:	Not available
Flammability:	Non-flammable
pH:	Approximately 8.0
Solubility in water:	Completely soluble in water
Density:	1.010
Flashpoint:	>93°C

9.2 Other information

- No information available
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SECTION 10: Stability and reactivity**10.1 Reactivity**

- This article is considered stable under normal conditions

10.2 Chemical stability

- This article is considered stable under normal conditions

10.3 Possibility of hazardous reactions

- No hazardous reactions known if used for its intended purpose

10.4 Conditions to avoid

- Avoid contact with skin and eyes
- Keep away from heat

10.5 Incompatible materials

- Incompatible with acid
- Incompatible with strong oxidizing substances

10.6 Hazardous decomposition products

- No hazardous decomposition products known
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SECTION 11: Toxicological information**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute toxicity**

DIPROPYLENE GLYCOL METHYL ETHER
DERMAL RBT LD50 9510 mg/kg
INHALATION RAT LC50 3404.47 mg/l
ORAL RAT LD50 8740 mg/kg

BENZENESULFONIC ACID, 4-C10-13-SEC-ALKYL DERIVS., COMPDS
ORAL RAT LD50 >2000 mg/kg

ALCOHOLS C9-11, ETHOXYLATED
DERMAL - LD50 >2000 mg/kg
ORAL - LD50 >300, <2000 mg/kg

SECTION 11: Toxicological information (....)**Skin corrosion/irritation**

May cause redness and irritation
May cause severe irritation

Serious eye damage/irritation

In extreme cases ocular damage caused
May cause redness and irritation
Possible risk of irreversible effects

Respiratory or skin sensitisation

Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.

Germ cell mutagenicity

No information available

Carcinogenicity

No information available

Reproductive toxicity

No information available

STOT (specific target organ toxicity) - single exposure

No information available

STOT (specific target organ toxicity) - repeated exposure

No information available

Aspiration hazard

No information available

11.2 Information on other hazards

- No information available

SECTION 12: Ecological information**12.1 Toxicity**

DIPROPYLENE GLYCOL METHYL ETHER

Daphnia magna 48H EC50 1919 mg/l

FISH 96H LC50 >1000 mg/l

GREEN ALGA (Selenastrum capricornutum) 75H EC50 >969 mg/l

Scenedesmus Subspicatus 72H EC50 6999 mg/l

BENZENESULFONIC ACID, 4-C10-13-SEC-ALKYL DERIVS., COMPDS

Aquatic plants 48H EC50 >10 mg/l

Daphnia magna 96H EC50 15 mg/l

FISH 96H LC50 1-5 mg/l

ALCOHOLS C9-11, ETHOXYLATED

ALGAE LL/EL/IL50 >100 mg/l

Daphnia magna LL/EL/IL50 1-10 mg/l

FISH LL/EL/IL50 1-10 mg/l

12.2 Persistence and degradability

- Biodegradable

12.3 Bioaccumulative potential

SECTION 12: Ecological information (....)

No bioaccumulation potential.

12.4 Mobility in soil

- miscible with water

12.5 Results of PBT and vPvB assessment

- Not a PBT according to REACH Annex XIII

12.6 Endocrine disrupting properties

- Not applicable

12.7 Other adverse effects

- No information available
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SECTION 13: Disposal considerations**13.1 Waste treatment methods**

- Avoid release to the environment. Refer to special instructions/Safety data sheets
 - Disposal should be in accordance with local, state or national legislation
 - Do not discharge into drains or the environment, dispose to an authorised waste collection point
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SECTION 14: Transport information**14.1 UN number or ID number**

UN No.: Not applicable

14.2 UN proper shipping name

Proper Shipping Name: Not applicable

14.3 Transport hazard class(es)

Hazard Class: Not applicable

14.4 Packing group

Packing Group: Not applicable

14.5 Environmental hazards

- Not applicable

14.6 Special precautions for user

- No special precautions are required for this product

14.7 Maritime transport in bulk according to IMO instruments

- No information available
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SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

- Not hazardous according to current ADR Regulations

15.2 Chemical safety assessment

- A chemical safety assessment (CSA) for this product has not yet been completed
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SECTION 16: Other information

Text not given with phrase codes where they are used elsewhere in this safety data sheet:- H302: Harmful if swallowed. H315: Causes skin irritation. H317: May cause an allergic skin reaction. H318: Causes serious eye damage. H319: Causes serious eye irritation. H400: Very toxic to aquatic life. H412: Harmful to aquatic life with long lasting effects.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.