

SAFETY DATA SHEET 123

ECOFISSATIVO

1 IDENTIFICATION OF THE MIXTURE AND THE COMPANY

1.1 Product identifier

Product name ECOFISSATIVO

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

Description/Application PRIMER

1.3 Details of the supplier of the safety data sheet

Name: BERICALCE S.R.L.

Full address: Via Piave, 23 - 36033 Isola Vicentina (VI) - Italia

Phone: +39 0444 929102

+39 0444 654919

E-mail address of the competent person responsible to the Safety Data Sheet

nfo@bericalce.it

1.4 Emergency telephone number

For urgent inquiries refer to

SANITARY EMERGENCY

2. HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

The product is not classified as hazardous according to the provisions of Regulation (EC) 1272/2008 (CLP).

Hazard classification and indication:
Not classified as hazardous.

2.2 Label elements

Danger labeling: -

Warnings: -

Hazard indication:
EUH208

Contains 1,2-benzisothiazole-3(2H)-one, reaction mass of 5-chloro-2-methyl-2H-isothiazole-3-one and 2-methyl-2H-isothiazole-3-one (3:1).
May cause allergic reactions.

Safety advice: -

2.3 Other dangers

The substances in the mixture do not meet the PBT/vPvB criteria according to Annex XIII of the REACH regulation.

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3 COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substance

No relevant information.

3.2 Miscele

It contains:

Identification	Conc. %	Classification 67/548/CEE. Classification 1272/2008 (CLP).
<u>MVZ potassium silicate > 3.9</u>		
CAS. 1312-76-1	5 - < 10	Skin Irrit. 2, Eye Irrit. 2; H315 H319
EC. 215-199-1		
INDEX. -		
1,2-Benzisothiazole-3(2H)-one		
CAS. 2634-33-5	< 0.1	Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, Skin Sens. 1, Aquatic Acute 1;
EC. 220-120-9		H302 H315 H318 H317 H400
INDEX. 613-088-00-6		
<u>Reaction mass of 5-chloro-2-methyl-2H-isothiazole-3-one and 2-methyl-2H-isothiazole-3-one (3:1)</u>		
CAS. 55965-84-9	< 0.1	Acute Tox. 2, Acute Tox. 2, Acute Tox. 3, Skin Corr. 1C, Eye Dam. 1, Skin
CE. -		Sens. 1A, Aquatic Acute 1, Aquatic Chronic 1; H330 H310 H301 H314
INDEX. 613-167-00-5		H318 H317 H400 H410 EUH071

Formulation of H and EUH phrases: see section 16.

4 FIRST AID MEASURES

4.1 Description of first aid measures

EYES: Remove any contact lenses. Wash immediately and thoroughly with water

for at least 30 to 60 minutes, opening the eyelids widely. Seek immediate medical attention.

SKIN: Remove contaminated clothing. Shower immediately. Seek immediate medical advice.

INGESTION: Have as much water as possible drunk. Seek immediate medical attention.

Do not induce vomiting unless expressly authorized by physician.

INHALATION: Take the subject to fresh air, away from the site of the accident.

In case of respiratory symptoms: seek medical attention.

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

No information available.

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

Follow the doctor's directions.

5 FIREFIGHTING MEASURES

5.1 Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT

Coordinate extinguishing measures with the surrounding environment.

UNSUITABLE EXTINGUISHING EQUIPMENT

Nothing in particular.

5.2 Special hazards arising from the substance or mixture

Non-flammable. In case of fire may be released: Pyrolysis products, toxic

5.3 Advice for firefighters

In case of fire: wear self-contained breathing apparatus. Chemical protective suit.

Additional information: Collect contaminated firefighting water separately. Do not allow it to leak into sewers or waterways. Remove dust with water spray.

Remove gases/vapors/exhalations with water spray.

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6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear appropriate protective equipment (including personal protective equipment listed in Section 8 of the MSDS) to prevent contamination of skin, eyes and clothing personal.

These directions apply to both avorazioni and emergency responders.

6.2 Environmental precautions

Prevent the product from entering sewers, surface water, groundwater.

6.3 Methods and material for containment and cleaning up

Disposal of contaminated material shall be carried out in accordance with the provisions of pt. 13.

6.4 Reference to other sections

Any information regarding personal protection and disposal can be found in Sections 8 and 13.

7 HANDLING AND STORAGE

7.1 Precautions for safe handling

Provide adequate ventilation. Do not inhale gas/smoke/vapor/aerosol. Avoid contact with skin, eyes and clothing. Use personal protective equipment. Use personal protective equipment.

7.2 Conditions for safe storage, including any incompatibilities

Store only in the original container. Store in a cool, dry place.

Keep containers tightly closed. Keep product in clearly labeled containers.

Avoid overheating. Avoid violent shocks. Protect from: frost.

Do not store together with: food or feed.

7.3 Specific end use(s)

None in particular

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

DNEL/DMEL Values

MVZ potassium silicate > 3.9

N. CAS 1312-76-1

Type DNEL

Dependent DNEL, long-term

Dependent DNEL, long-term

Consumer DNEL, long-term

Consumer DNEL, long-term

Consumer DNEL, long-term

Exposure

inhalation

dermal

oral

inhalation

dermal

Effect

systemic

systemic

systemic

systemic

systemic

Value

5.61 mg/m³

1.49 mg/kg bw/day

0.74 mg/kg bw/day

1.38 mg/m³

0.74 mg/kg bw/day

PNEC Values

MVZ potassium silicate > 3.9

N. CAS 1312-76-1

Environmental compartment

Fresh water

Fresh water (intermittent release)

Seawater

Microorganisms in wastewater treatment plants

Value

7.5 mg/l

7.5 mg/l

1 mg/l

348 mg/l

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8.2 Exposure controls

Appropriate technical control equipment

For outdoor handling, devices with local exhaust ventilation should be used.

HAND PROTECTION.

Wear suitable gloves tested according to EN374.

When handling chemical agents, only chemical protective gloves with a CE mark including a four-digit test number should be worn. The design of chemical protective gloves should be chosen specifically for the workplace based on the concentration and amount of hazardous substances.

It is recommended to clarify the chemical resistance of these protective gloves for special applications with the glove manufacturer.

SKIN PROTECTION.

Use of protective clothing.

EYE/FACE PROTECTION

Wearing eye/face protection. (DIN EN 166)

RESPIRATORY PROTECTION

Wear respiratory protection if ventilation is inadequate.

Respiratory protection is required if: Limit values are exceeded.

ENVIRONMENTAL EXPOSURE CONTROLS.

Avoid release to the environment.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Liquid
Colour	White
Odour	Characteristic
Odour threshold	Not available
pH	Not available
Melting point / freezing point	Not available
Initial boiling point	Not available
Boiling range	Not applicable
Flash point	Not applicable
Evaporation rate	Not applicable
Flammability (solid, gas)	Not applicable
Lower inflammability limit	Not applicable
Upper inflammability limit	Not applicable
Lower explosive limit	Not explosive
Upper explosive limit	Not explosive
Vapour pressure	Not available
Vapour density	Not available
Relative density	Not available
Solubility	Partially miscible in water
Partition coefficient:: n-octanol/water	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not available
Explosive properties	Not available
Oxidising properties	Not oxidizing

9.2 Other information

Not available

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10 STABILITY AND REACTIVITY**10.1 Reactivity**

There are no particular risks of reaction with other substances in normal conditions of use.

10.2 Chemical stability

The product is stable in normal conditions of use and storage.

10.3 Possibility of hazardous reactions

No hazardous reactions are foreseeable in normal conditions of use and storage.

10.4 Conditions to avoid

None in particular. However, adhere to the usual caution against chemicals.

10.5 Incompatible materials

Information not available

10.6 Hazardous decomposition products

Thermal decomposition or in case of fire, gases and vapors potentially harmful to health can be released.

11 TOXICOLOGICAL INFORMATION**11.1 Information on toxicological effects**

Acute toxicity

Based on the available data, the classification criteria are not met.

POTASSIUM SILICATE MVZ > 3.9

LD50 (Oral).> 2000 mg/kg Rat

1,2-BENZISOTHIAZOLE-3(2H)-ONE.

LD50 (Oral). 670 mg/kg Rat

LD50 (Dermal).> 5000 mg/l Rat

REACTION MASS OF 5-CHLORO-2-METHYL-2H-ISOTHIAZOLE-3-ONE AND 2-METHYL-2H-ISOTHIAZOLE-3-ONE (3:1)

ATE (Oral) 100 mg/kg

ATE (Dermal) > 50 mg/kg

ATE (Inhaled Vapor) 0.5 mg/l

ATE (Inhaled Aerosol) 0.05 mg/l

Irritant and corrosive effect

Based on available data, the classification criteria are not met.

Sensitizing effects

Contains:

1,2-benzisothiazole-3(2H)-one, reaction mass of 5-chloro-2-methyl-2H-isothiazole-3-one and 2-methyl-2H-isothiazole-3-one (3:1). May cause allergic reactions.

Carcinogenic, mutagenic and reproductive toxic effects

Based on available data, the classification criteria are not met.

Specific target organ toxicity with single exposure

Based on available data, the classification criteria are not met.

Specific target organ toxicity with repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

Other observations

No information available.

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12 ECOLOGICAL INFORMATION**12.1 Toxicity**

The product is not: Ecotoxic
POTASSIUM SILICATE MVZ > 3.9
LC50 - Fish > 100 mg/l/96h Fish

12.2 Persistence and degradability

Information not available

12.3 Bioaccumulative potential

Information not available

12.4 Mobility in soil

Information not available

12.5 Results of PBT and vPvB assessment

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%

12.6 Other adverse effects

Information not available

13 DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods**

Do not allow to enter the sewer system or water. Do not allow to enter underground.
Disposal in accordance with official regulations.
CONTAMINATED PACKAGING
Uncontaminated and empty packaging can be recycled.
Contaminated packaging should be treated in the same manner as the substance.

14 TRANSPORT INFORMATION**14.1 ONU number**

It is not a dangerous good within the meaning of these transport regulations.

14.2 ONU shipping name

It is not a dangerous good within the meaning of these transport regulations.

14.3 Hazard classes connected to shipping

It is not a dangerous good within the meaning of these transport regulations.

14.4 Packaging group

Not a dangerous good within these transport regulations. Inland waterway transportation (ADN).

14.5 Environmental hazards

None.

14.6 Special precautions for users

Not applicable.

14.7 Shipping of bulk according to MARPOL 73/78 annex and the IBC code

No relevant information.

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15 REGULATORY INFORMATION

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

EU REGULATIONS.

Restrictions on use (REACH, Annex XVII):

Item 28, Item 29, Item 30

VOC Directive Information < 0.01 %.

2004/42/EC: Information on SEVESO III Directive

2012/18/EU: Not subject to the SEVESO III directive

National Regulations

Technical Instructions on Air I: 5.2.1:

Total dust, including fine dust at $m > 0.2 \text{ kg/h}$: Conc. 20 mg/m^3 or at $\leq 0.2 \text{ kg/h}$: Conc. 0.15 g/m^3
< 10

Percentage:

Technical Instructions on Air II: 5.2.5:

Organic substances, indicated as total carbon, at $m \geq 0.50 \text{ kg/h}$: Conc. 50 mg/m^3

Proportion:

< 1 %.

Water hazard class:

1 - slightly hazardous to water

Status:

classification of mixtures according to Annex 1, No. 5 AwSV

15.2 Chemical safety assessment

A chemical safety assessment was conducted for the following substances in this mixture:

MVZ potassium silicate > 3.9

16 OTHER INFORMATIONS

LEGEND:

CLP: Classification, labeling and packaging

REACH: Registration, evaluation and authorization of chemicals

GHS: Globally harmonized system of classification, labeling and packaging of chemicals

UN: United Nations

CAS: Chemical Abstracts Service

DNEL: Derived no-effect level

DMEL: Derived minimum effect level

PNEC: Predicted no-effect concentration

ATE: Estimated acute toxicity

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

LL50: Lethal load, 50%

EL50: Effect load, 50%

EC50: Effective concentration, 50%

ErC50: 50% effective concentration, growth rate

NOEC: Concentration with no observed effect

BCF: Bioconcentration factor

PBT: persistent, bioaccumulative, toxic

vPvB: very persistent, very bioaccumulative

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement Concerning the Transport of Dangerous Goods by Air).

(European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Regulations concerning the international carriage of dangerous goods by rail

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (Accord européen relatif au transport international des marchandises dangereuses par voies de navigation interne)

IMDG: International Maritime Code for Dangerous Goods

EmS: Emergency cards

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MFAG: Guide to medical first aid

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization

MARPOL: International Convention for the Prevention of Marine Pollution from Ships

IBC: Intermediate Bulk Container

VOC: Volatile Organic Compounds

SVHC: Substance of Very High Concern

WORDING OF H AND EUH PHRASES (NUMBER AND FULL TEXT)

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 allergic skin reaction.

H318 Causes severe eye injury.

H319 Causes severe eye irritation.

H330 Danger of death if inhaled.

H400 Very toxic to aquatic organisms.

H410 Very toxic to aquatic organisms with long-lasting effects.

EUH071 Corrosive to the respiratory tract.

EUH208 Contains 1,2-benzisothiazol-3(2H)-one, reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May cause allergic reactions.

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version.

Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations.

The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.

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