

SAFETY DATA SHEET 122

BIOPRIMER GRANULAR

1 IDENTIFICATION OF THE MIXTURE AND THE COMPANY

1.1 Product identifier

Product name BIOPRIMER GRANULAR

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: -

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).
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MVZ potassium silicate > 3.9

CAS. 1312-76-1	1 - < 5	Skin Irrit. 2, Eye Irrit. 2; H315 H319
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EC. 215-199-1

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Formulation of H and EUH phrases: see section 16.

Specific concentration limits, M and TEA factors.

MVZ potassium silicate > 3.9

CAS. 1312-76-1	1 - < 5	oral: LD50 = > 2000 mg/kg.
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EC. 215-199-1

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4 FIRST AID MEASURES

4.1 Description of first aid measures

In all cases of doubt or if symptoms are present, seek medical advice.

EYES: Rinse immediately and thoroughly with water or eye wash. If possible, remove contact lenses. Continue rinsing. Protect the uninjured eye. See an ophthalmologist.

SKIN: If skin contact occurs, wash immediately with plenty of soap and water. Clothing contaminated should be changed immediately. If skin reactions occur, seek medical attention.

INGESTION: Rinse the mouth. Never administer anything orally to an unconscious person or in convulsions. In all cases of doubt or if symptoms are present, consult a physician.

INHALATION: Provide fresh air. In case of respiratory symptoms: consult a physician.

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

For symptoms and effects caused by the contained substances, see chap. 11.

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

No information available.

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

Ensure adequate ventilation. Avoid the formation of dust. Do not inhale dust.
Avoid contact with skin, eyes and clothing. Use personal protective equipment.

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

Safe handling: see pt. 7

Personal protective equipment: see section 8

Disposal: see section 13

7 HANDLING AND STORAGE

7.1 Precautions for safe handling

Ensure proper grounding system for the equipment and personnel.

Avoid contact with eyes and skin and exposure to concentrations of dust holes. Avoid the inhalation of dust and vapour. Do not eat, nor drink, nor smoke while handling it. Avoid dispersal into the environment.

7.2 Conditions for safe storage, including any incompatibilities

Store in a ventilated and dry place, far away from sources of ignition. Keep containers well sealed. Keep the product in clearly labelled containers. Avoid overheating. Avoid violent blows. Keep containers away from any incompatible materials, see section 10 for details.

7.3 Specific end use(s)

Information not available.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

DNEL/DNEL Values			
<u>MVZ potassium silicate > 3.9</u>			
N. CAS 1312-76-1			
Type DNEL	Exposure	Effect	Value
Dependent DNEL, long-term	inhalation	systemic	5.61 mg/m ³
Dependent DNEL, long-term	dermal	systemic	1.49 mg/kg bw/day
Consumer DNEL, long-term	oral	systemic	0.74 mg/kg bw/day
Consumer DNEL, long-term	inhalation	systemic	1.38 mg/m ³
Consumer DNEL, long-term	dermal	systemic	0.74 mg/kg bw/day
PNEC Values			
<u>MVZ potassium silicate > 3.9</u>			
N. CAS 1312-76-1			
Environmental compartment			Value
Fresh water			7.5 mg/l
Fresh water (intermittent release)			7.5 mg/l
Seawater			1 mg/l
Microorganisms in wastewater treatment plants			348 mg/l

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8.2 Exposure controls

Appropriate technical control equipment. Ensure sufficient ventilation and timely extraction at critical points.
PROTECTION AND HYGIENE

Remove contaminated clothing. Avoid contact with skin, eyes and clothing. Wash hands before breaks and at the end of work. Do not eat, drink, smoke, snort in the workplace. Keep away from food, drink and feed.

Do not inhale dust.

HAND PROTECTION

Wear suitable gloves, tested according to EN374. When handling chemical agents, you may wear only CE marked chemical protective gloves including a four-digit test number. The design of chemical protective gloves should be chosen specifically for the workplace based on the concentration and quantity of hazardous substances. It is recommended to clarify the chemical resistance of the 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	Yellow
Odour	Characteristic
Odour threshold	Not available
pH	12
Melting point / freezing point	Not available
Initial boiling point	Not available
Boiling range	Not available
Flash point	Not available
Evaporation rate	Not available
Flammability (solid, gas)	Not available
Lower inflammability limit	Not available
Upper inflammability limit	Not available
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 explosive
Oxidising properties	Not available

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.

10.5 Incompatible materials

Information not available

10.6 Hazardous decomposition products

In case of fire, pyrolysis products can be produced, which are toxic

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

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

Use this product according to good working practices. Inform the competent authorities, should the product reach waterways or sewers or contaminate soil or vegetation.

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

Information on the VOC Directive 2004/42/EC: < 0.01%.

Information on SEVESO III directive 2012/18/EU: Not subject to SEVESO III directive

National regulations

Water Hazard Class: Status:

2 - Clearly hazardous to water Classification of mixtures according to Annex 1, No. 5 AwSV

15.2 Chemical safety assessment

No chemical safety assessments have been conducted for the substances in this mixture.

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

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

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FORMULATION OF THE H AND EUH PHRASES (NUMBER AND FULL TEXT).

H315 Causes skin irritation

H319 Causes severe eye irritation

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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