

SAFETY DATA SHEET 126

MINERAL SOLID

1 IDENTIFICATION OF THE MIXTURE AND THE COMPANY

1.1 Product identifier

Product name MINERAL SOLID

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

Description/Application HARDNER

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

Based on available data, the product does not contain PBT or vPvB substances in a percentage $\geq 0.1\%$.
The product does not contain substances with endocrine-disrupting properties in concentration $\geq 0.1\%$.

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3 COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substance

3.2 Miscele

The product does not contain substances classified as hazardous to health or the environment under the provisions of Regulation (EU) 1272/2008 (CLP) (as amended and adapted) in quantities that would require a declaration.

4 FIRST AID MEASURES

4.1 Description of first aid measures

Not specifically required. Compliance with the rules of good industrial hygiene is recommended in all cases. In case of respiratory symptoms: consult a physician.

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

No specific information on symptoms and effects caused by the product is known.

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

Information not available

5 FIREFIGHTING MEASURES

5.1 Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT

The extinguishing media are the traditional ones: carbon dioxide, foam, powder and water mist.

UNSUITABLE EXTINGUISHING EQUIPMENT

Nothing in particular.

5.2 Special hazards arising from the substance or mixture

HAZARDS DUE TO EXPOSURE IN CASE OF FIRE. Avoid breathing in the products of combustion.

5.3 Advice for firefighters

GENERAL INFORMATION

Cool containers with jets of water to prevent decomposition of the product and the development of substances potentially hazardous to health. Always wear full protective equipment fire protection.

Collect firefighting water that must not be discharged into the sewer system.

Dispose of contaminated water used for extinguishing and fire residue according to applicable regulations.

EQUIPMENT

Normal fire-fighting clothing, such as an open-circuit self-contained compressed air breathing apparatus (EN 137), flame-resistant suit (EN469), flame-resistant gloves (EN 659) and firefighter's boots (HO A29 or A30).

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

In case of airborne vapors or dusts, adopt respiratory protection. These directions apply for both work crews 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

Embank with soil or inert material. Collect most of the material and remove the residue with water jets. Disposal of contaminated material should be carried out in accordance with the provisions of item 13.

6.4 Reference to other sections

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

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7 HANDLING AND STORAGE

7.1 Precautions for safe handling

Handle the product after consulting all other sections of this MSDS.

Avoid dispersion of the product into the environment. Do not eat, drink or smoke during use.

A.- Precautions for safe handling.

Comply with current legislation on the prevention of occupational hazards.

Keep containers tightly closed.

Control spills and residues and remove them by safe methods (paragraph 6).

Avoid free spillage from containers. Maintain order and cleanliness where hazardous products are handled.

B.- Technical recommendations for fire and explosion prevention.

Product nonflammable under normal conditions of storage, handling and use.

It is recommended to decant slowly to avoid generating electrostatic charges that may involve flammable products. Refer to section 10 on conditions and materials to avoid.

C.- Technical recommendations to prevent ergonomic and toxicological hazards.

Avoid eating or drinking while handling and then take care to wash with appropriate products.

D.- Technical recommendations to prevent environmental risks.

It is recommended to have absorbent material in the vicinity of the product (see section 6.3)

7.2 Conditions for safe storage, including any incompatibilities

Keep the product in clearly labeled containers. Store containers away from any

incompatible materials, checking section 10. A.- Technical measures for storage Minimum T_a: 5 °C

T_a maximum: 50 °C Maximum time: 6 months

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food.

See section 10.5 for further information

7.3 Specific end use(s)

See annex for detailed information on handling, storage, and specific end uses

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Information not available

8.2 Exposure controls

Observe the usual safety measures when handling chemicals.

HAND PROTECTION.

Not necessary.

SKIN PROTECTION

Not necessary.

EYE PROTECTION

Not necessary.

RESPIRATORY PROTECTION

Not required unless otherwise specified in chemical risk assessment.

ENVIRONMENTAL EXPOSURE CONTROLS.

Emissions from production processes, including those from ventilation equipment should be controlled for compliance with environmental protection regulations.

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9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Dense liquid
Colour	Colorless
Odour	Odorless
Odour threshold	Not available
pH	11,5
Melting point / freezing point	Not available
Initial boiling point	>100°C
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	1.32-1,34 g/cc
Solubility	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	Non-oxidant

9.2 Other information

Not available

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

Information not available

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11 TOXICOLOGICAL INFORMATION

There are no known incidents of health damage due to exposure to the product.
In any case, it is recommended to operate within the rules of good industrial hygiene.

11.1 Information on toxicological effects

Metabolism, kinetics, mechanism of action, and other information

Information not available

Information on likely routes of exposure

Information not available

Immediate, delayed, and and chronic effects from short- and long-term exposures

Information not available

Interactive effects

Information not available

ACUTE TOXICITY

ATE (Inhalation) of the mixture: Not classified (no relevant component)

ATE (Oral) of the mixture: Not classified (no relevant component)

ATE (Dermal) of the mixture: Not classified (no relevant component)

POTASSIUM SALT OF SILICIC ACID (MR > 3.2)

LD50 (Oral): > 5000 mg/kg rat

LD50 (Dermal): > 5000 mg/kg rat

SKIN CORROSION/DERMAL IRRITATION.

Does not meet the classification criteria for this hazard class.

SEVERE EYE DAMAGE/EYE IRRITATION

Does not meet the classification criteria for this hazard class

RESPIRATORY OR SKIN SENSITIZATION

Does not meet the classification criteria for this hazard class

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

CARCINOGENICITY

Does not meet the classification criteria for this hazard class

REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class

SPECIFIC TARGET ORGAN TOXICITY (STOT) - SINGLE EXPOSURE

Does not meet the classification criteria for this hazard class

SPECIFIC TARGET ORGAN TOXICITY (STOT) - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class

11.2 Information on toxicological effects

Based on available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with human health effects under evaluation.

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12 ECOLOGICAL INFORMATION

Use according to good working practices, avoiding dispersal of the product into the environment. Notify the appropriate authorities if the product has reached waterways or contaminated soil or vegetation.

12.1 Toxicity

POTASSIUM SALT OF SILICIC ACID (MR > 3.2)

LC50 - Fish > 146 mg/l/96h *Leuciscus Idus*

EC50 - Crustaceans > 146 mg/l/48h *Daphnia Magna*

EC50 - Algae/Aquatic Plants > 345.4 mg/l/72h *Scenedesmus Suspiciatus*

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 Endocrine-disrupting properties

Based on available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with environmental effects under evaluation.

12.7 Other adverse effects

Information not available

13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Reuse if possible. Product residues as is are to be considered special non-hazardous waste.

Disposal should be entrusted to a licensed waste management company, in compliance with the national and possibly local regulations.

CONTAMINATED PACKAGING

Contaminated packaging must be sent for recovery or disposal in accordance with national regulations on waste management.

14 TRANSPORT INFORMATION

14.1 ONU number

The product is not to be considered hazardous under current regulations for the transport of dangerous goods by road (A.D.R.), by rail (RID), by sea (IMDG Code) and by air (IATA).

14.2 ONU shipping name

Not applicable

14.3 Hazard classes connected to shipping

Not applicable

14.4 Packaging group

Not applicable

14.5 Environmental hazards

Not applicable

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

Seveso category - Directive 2012/18/EC: None

Restrictions on the product or substances contained according to Annex XVII Regulation (EC) 1907/2006
None

Regulation (EC) No. 2019/1148 - concerning the placing on the market and use of explosives precursors
Not applicable

Substances on Candidate List (Art. 59 REACH)

Based on available data, the product does not contain SVHC substances in a percentage $\geq 0.1\%$.

Substances subject to authorization (Annex XIV REACH)

None

Substances subject to export notification requirement Reg. (EC) 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None

Sanitary Controls

Information not available

15.2 Chemical safety assessment

A chemical safety assessment has not been prepared for the mixture/substances listed in Section 3.

16 OTHER INFORMATIONS

LEGEND:

-ADR: European Agreement for the Transport of Dangerous Goods by Road.

-CAS NUMBER: Chemical Abstract Service number.

-CE NUMBER: Identification number in ESIS (European Database of Existing Substances).

-CLP: EC Regulation 1272/2008

-DNEL: Derived no-effect level

-EC50: Concentration giving effect to 50% of the population subject to testing

-EmS: Emergency Schedule

-GHS: Globally harmonized system for the classification and labeling of chemicals

-IATA DGR: Regulations for the Transport of Dangerous Goods of the International Association of air transport

-IC50: 50% immobilization concentration of the test population

-IMDG: International Maritime Code for the Transport of Dangerous Goods.

-IMO: International Maritime Organization

-INDEX NUMBER: Identification number in Annex VI of the CLP

-LC50: Lethal concentration 50%

-LD50: Lethal dose 50%

-OEL: Occupational exposure level

-PBT: Persistent, bioaccumulative and toxic according to REACH

-PEC: Predictable environmental concentration.

-PEL: Predictable level of exposure

-PNEC: Predicted no-effect concentration.

-REACH: EC Regulation 1907/2006

-RID: Regulation for the International Carriage of Dangerous Goods by Rail.

-STA: Estimated Acute Toxicity

-TLV: Threshold limit value

-TLV CEILING: Concentration that must not be exceeded during any time of work exposure.

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- TWA: Weighted average exposure limit
- TWA STEL: Short-term exposure limit
- VOC: Volatile organic compound
- vPvB: Very persistent and very bioaccumulative according to REACH.
- WGK: Aquatic hazard class (Germany).

GENERAL BIBLIOGRAPHY:

- 1.Regulation (EC) 1907/2006 of the European Parliament (REACH).
 - 2.Regulation (EC) 1272/2008 of the European Parliament (CLP)
 - 3.Regulation (EU) 2020/878 (All. II REACH Regulation)
 - Regulation (EU) 790/2009 of the European Parliament (I Atp. CLP)
 - 5.Regulation (EU) 286/2011 of the European Parliament (II Atp. CLP)
 - Regulation (EU) 618/2012 of the European Parliament (III Atp. CLP)
 - 7.Regulation (EU) 487/2013 of the European Parliament (IV Atp. CLP)
 - 8.Regulation (EU) 944/2013 of the European Parliament (V Atp. CLP)
 - 9.Regulation (EU) 605/2014 of the European Parliament (VI Atp. CLP)
 - 10.Regulation (EU) 2015/1221 of the European Parliament (VII Atp. CLP)
 - 11.Regulation (EU) 2016/918 of the European Parliament (VIII Atp. CLP)
 - 12.Regulation (EU) 2016/1179 (IX Atp. CLP)
 - 13.Regulation (EU) 2017/776 (X Atp. CLP)
 - 14.Regulation (EU) 2018/669 (XI Atp. CLP)
 - 15.Regulation (EU) 2019/521 (XII Atp. CLP)
 - 16.Delegated Regulation (EU) 2018/1480 (XIII Atp. CLP)
 - 17.Regulation (EU) 2019/1148
 - 18.Delegated Regulation (EU) 2020/217 (XIV Atp. CLP)
 - 19.Delegated Regulation (EU) 2020/1182 (XV Atp. CLP)
 - 20.Delegated Regulation (EU) 2021/643 (XVI Atp. CLP)
 - 21.Delegated Regulation (EU) 2021/849 (XVII Atp. CLP)
- The Merck Index. - 10th Edition.
 - Handling Chemical Safety
 - INRS - Fiche Toxicologique (toxicological sheet).
 - Patty - Industrial Hygiene and Toxicology.
 - N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition.
 - IFA GESTIS Web Site.
 - ECHA Agency Web Site.
 - Database of model SDSs of chemical substances - Ministry of Health and Istituto Superiore di Sanità

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.

BeriCalce S.r.l.

Via Piave, 23 - 36033 Isola Vicentina (VI) - ITALIA

Tel1. (+39) 0444 929102 - Tel2. (+39) 0444 654919

Skype: bericalce - info@bericalce.com

bericalce.com