Hartsteinwerk Kitzbühel GesmbH

6372 Oberndorf in Tirol

SECTION 1: Identification of the Substance or Mixture and the Company

1.1 Product identifier

Sandilit - Basic silicate volcanic primary rock sand

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

1.2.1 Relevant uses

Agricultural applications
Soil conditioner

1.2.2 Uses Not Recommended

None known

1.3 Details of the supplier providing the safety data sheet

Company
Hartsteinwerk Kitzbühel GesmbH
Franz Cervinka-Weg 3
6372 Oberndorf in Tirol / AUSTRIA
Phone +43(0)5356 64333-60
Website www.biolit-natur.com
Email info@biolit-natur.com

Department Providing Information	
Technical Information	info@biolit-natur.com
Safety Data Sheet	sdb@chemiebuero.de (Safety data sheets are not mailed) Safety data sheets are available from the supplier.

1.4 Emergency Number

Advisory Service	+43 (0) 1 406 43 43 (24 hours)
Company	+43(0)5356 64 333-60 8:00 a.m. – 4:00 p.m.

SECTION 2: Potential Hazards

2.1 Classification of the substance or mixture [REGULATION (EC) No. 1272/2008]

No classification

2.2 Labeling Elements

The product is not subject to labeling requirements under Regulation (EC) No. 1272/2008 (CLP).

Hazard pictograms	None
Hazard statement	None
Hazard Statements	None
Safety instructions	None

2.3 Other Hazards

Health Hazards	Contains no ingredients with endocrine-disrupting properties.
Environmental Hazards	Does not contain any PBT or vPvB substances.
Other Hazards	No other hazards have been identified based on current knowledge.

SECTION 3: Composition / Information on Ingredients

3.1 Substances

Not applicable

3.2 Mixtures

The product is a mixture.

Component Comments	Contains no hazardous components.

SECTION 4: First Aid Measures

4.1 Description of First Aid Measures

General Information
Change any clothing that has become dusty.

After Inhalation
Ensure a supply of fresh air.
Seek medical attention if symptoms occur.

After skin contact
If skin contact occurs, rinse with water.
If skin irritation persists, consult a doctor.

After eye contact
Gently rinse with water for several minutes. Remove any contact lenses if possible. Continue rinsing.
If eye irritation persists: Seek medical advice/attention.

If swallowed
Rinse mouth and drink plenty of water.
If symptoms persist, seek medical attention.

4.2 Most Important Acute and Delayed Symptoms and Effects

None known

4.3 Indications for Immediate Medical Attention or Special Treatment

Treat symptomatically.

SECTION 5: Firefighting Measures

5.1 Extinguishing Media

Suitable extinguishing media
The product itself is not flammable. Tailor firefighting measures to the surrounding fire.

Unsuitable extinguishing media
Full-stream water spray.

5.2 Special hazards arising from the substance or mixture

Risk of formation of toxic pyrolysis products.

5.3 Firefighting instructions

Use self-contained breathing apparatus.

Fire residues and contaminated firefighting water must be disposed of in accordance with local regulatory requirements.

SECTION 6: Accidental Release Measures

6.1 Personal Precautions, Protective Equipment, and Emergency Procedures

Avoid generating dust.
Ensure adequate ventilation.

6.2 Environmental Protection Measures

Do not allow product to enter the sewer system.

6.3 Methods and Materials for Containment and Cleanup

Collect mechanically.

Prevent dust formation.

Dispose of the collected material in accordance with regulations.

6.4 Reference to Other Sections

See SECTIONS 8 and 13

SECTION 7: Handling and Storage

7.1 Precautions for Safe Handling

Use only in well-ventilated areas.
Avoid dust formation and dust accumulation.

Wash hands before breaks and at the end of the workday.
Do not eat, drink, smoke, or use snuff while working.

7.2 Conditions for safe storage, taking into account incompatibilities

Store only in the original container.

Do not store together with food or animal feed.

Store in a dry place.

Storage Class (TRGS 510) Storage Class 13: Non-flammable solids

7.3 Specific End Uses

See “Use of the Product,” SECTION 1.2

SECTION 8: Exposure Limits and Monitoring/Personal Protective Equipment

8.1 Parameters to Be Monitored

Occupational Exposure Limits DE (TRGS 900)

Not applicable

Occupational Exposure Limits (AT)

Not applicable

EU Occupational Exposure Limits (2004/37/EC)

Not applicable

8.2 Exposure Limits and Monitoring

Additional Notes on the Design of Technical Systems
Ensure adequate ventilation at the workplace.
The general dust exposure limit must be observed. (TRGS 900: 10 mg/m³ (ÜF 2(II)) inhalable fraction, 1.25 mg/m³ respirable fraction)

Eye protection
Safety glasses. (EN 166:2001)

Hand protection
For prolonged contact:
0.4 mm; suitable protective gloves.
The information provided is for guidance only. For further information, please contact the glove supplier.

Body protection
Workwear (EN 340)

Other protective measures
Avoid contact with the eyes.
The type of personal protective equipment should be selected based on the specific workplace, taking into account concentration and quantity. The chemical resistance of protective equipment should be clarified with the supplier.
Do not inhale dust.

Respiratory Protection
Respiratory protection required if dust is generated.
Half-face mask with particulate filter. (DIN EN 149)

Thermal Hazards
None

Limitation and Monitoring of Environmental Exposure
Not applicable

SECTION 9: Physical and Chemical Properties

9.1 Information on the basic physical and chemical properties

Physical state	Solid Powder
Form	Solid Powder
Color	light gray
Odor	Odorless
Odor threshold	Not applicable
pH	approx. 8 (suspension in water)
pH value [1%]	Not determined
Boiling point or initial boiling point and boiling range [°C]	Not relevant
Flash point [°C]	Not applicable
Flammability	Not applicable
Lower Explosion Limit	Not applicable
Upper explosive limit	Not applicable
Oxidizing properties	No
Vapor pressure [kPa]	Not applicable
Density [g/cm³]	1.3 (20 °C / 68.0 °F)
Relative density	Not determined
Bulk density [kg/m³]	Not determined
Solubility in water [g/L]	practically insoluble
Solubility in other solvents	No information available.
Partition coefficient n-octanol/water (log value)	Not applicable
Kinematic viscosity	Not applicable
Relative vapor density	Not applicable
Melting point/Freezing point [°C]	Not required
Ignition temperature [°C]	Not self-igniting Not applicable
Decomposition temperature [°C]	SANDILIT fine volcanic sand 0–0.6 mm
Particle Properties	SANDILIT medium volcanic sand 0–2 mm ∩ SANDILIT coarse volcanic sand 0–4 mm

9.2 Other Information

None

SECTION 10: Stability and Reactivity

10.1 Reactivity

None known when used as intended.

10.2 Chemical Stability

The product is stable under normal conditions.

10.3 Possibility of Hazardous Reactions

No hazardous reactions are known.

10.4 Conditions to Avoid

See SECTION 7.2.

10.5 Incompatible Materials

None

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

Product
Oral: Based on the available information, the classification criteria are not met.

Acute dermal toxicity

Product
Dermal: Based on the available information, the classification criteria are not met.

Acute inhalation toxicity

Product
Inhalation: Based on the available information, the classification criteria are not met.

Serious eye damage/irritation	Based on the available information, the classification criteria are not met.
Skin corrosion or irritation	Based on the available information, the classification criteria are not met.
Respiratory tract/skin sensitization	Based on the available information, the classification criteria are not met.
Specific target organ toxicity following single exposure	Based on the available information, the classification criteria are not met.
Specific target organ toxicity following repeated exposure	Based on the available information, the classification criteria are not met.
Mutagenicity	Based on the available information, the classification criteria are not met.
Reproductive toxicity	Based on the available information, the classification criteria are not met.
Carcinogenicity	Based on the available information, the classification criteria are not met.
Aspiration hazard	Based on the available information, the classification criteria are not met.
General Remarks	No toxicological data are available for the product as a whole.

11.2 Information on Other Hazards

11.2.1 Endocrine-disrupting properties	Contains no ingredients with endocrine-disrupting properties.
11.2.2 Other Information	None

SECTION 12: Environmental Information

12.1 Toxicity

12.2 Persistence and Degradability

Behavior in Environmental Compartments	Not determined
Behavior in wastewater treatment plants	Not determined
Biodegradability	Not applicable

12.3 Bioaccumulative Potential

Not applicable

12.4 Mobility in Soil

Not relevant

12.5 Results of the PBT and vPvB Assessment

Based on all available information, it is not classified as PBT or vPvB.

12.6 Endocrine-Disrupting Properties

Contains no ingredients with endocrine-disrupting properties.

12.7 Other Adverse Effects

None known

SECTION 13: Disposal Considerations

13.1 Waste Treatment Methods

Product residues must be disposed of in accordance with the Waste Framework Directive 2008/98/EC as well as national and regional regulations. No waste code number can be assigned to this product according to the European Waste Catalog (AVV), as classification is only possible based on the consumer's intended use. The waste code number must be determined within the EU in consultation with the waste disposal provider.

Product

No special measures required.

AVV No. (recommended) 010408 Waste from gravel and rock quarries, except for that covered by 010407*.

Uncleaned packaging

Uncontaminated packaging can be recycled.

AVV No. (recommended) 150102 Plastic packaging.

ÖNORM S2100 92301

SECTION 14: Transport Information

14.1 UN Number or ID Number

Land transport according to ADR/RID Not applicable

Inland waterway transport (ADN) Not applicable

Marine transport in accordance with IMDG Not applicable

Air transport according to IATA Not applicable

14.2 Proper UN shipping name

Land transport according to ADR/RID NOT A HAZARDOUS MATERIAL

Inland waterway transport (ADN) NOT A DANGEROUS GOOD

Maritime transport according to IMDG NOT CLASSIFIED AS "DANGEROUS GOODS"

Air transport according to IATA NOT CLASSIFIED AS "DANGEROUS GOODS"

14.3 Transport hazard classes

Land transport according to ADR/RID Not applicable

Inland Waterway Transport (ADN) Not applicable

Maritime transport in accordance with IMDG Not applicable

Air transport according to IATA Not applicable

14.4 Packaging Group

Land transport according to ADR/RID	Not applicable
Inland waterway transport (ADN)	Not applicable
Marine transport in accordance with IMDG	Not applicable
Air transport according to IATA	Not applicable

14.5 Environmental hazards

Land transport according to ADR/RID	No
Inland Waterway Transport (ADN)	No
Marine transport in accordance with IMDG	No
Air transport in accordance with IATA	No

14.6 Special Precautions for Users

See SECTIONS 6 through 8 for relevant information.

14.7 Transport of bulk cargo by sea in accordance with IMO instruments

Not applicable

SECTION 15: Regulatory Information

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

EU REGULATIONS	2008/98/EC (2000/532/EC); 2010/75/EU; 2004/42/EC; (EC) 648/2004; (EC) 1907/2006 (REACH); (EU) 1272/2008; 75/324/EEC ((EC) 2016/2037); (EU) 2020/878; (EU) 2016/131; (EU) 2024/573; (EU) 2019/1148; (EU) 2019/1021, (EU) 2023/707
- **Ingredient** Comments	SVHC List (Candidate List of Substances of Very High Concern for Authorization): Contains none or less than 0.1% of the listed substances.
- **Annex XIV (REACH)**	The product contains no substances subject to authorization at concentrations of ≥ 0.1% in accordance with Annex XIV of Regulation (EC) No. 1907/2006 (REACH).
- **Annex XVII (REACH)**	The product contains no restricted substances ≥ 0.1% in accordance with Annex XVII of Regulation (EC) No. 1907/2006 (REACH). The product is not subject to any restrictions under Annex XVII of Regulation (EC) No. 1907/2006 (REACH).
TRANSPORT REGULATIONS	ADR (2025); IMDG Code (2025, 42nd Amdt.); IATA DGR (2025)
NATIONAL REGULATIONS (DE):	Hazardous Substances Ordinance (GefStoffV) 2021; Water Resources Act (WHG); TRGS: 200, 220, 615, 900, 905.
NATIONAL REGULATIONS (AT):	Waste Management Act (BGBL 43/2004) and in accordance with the Assessment Ordinance (BGBL 178/2000); ÖNORM S2100; Storage Ordinance;
- **Regulation on Flammable Liquids (VbF)**	Not applicable
- **Water** Hazard **Class**	Not hazardous to water, according to AwSV dated April 18, 2017
- Hazardous Incident **Ordinance**	No
- **Classification according to TA-Luft**	5.2.3 Dust emissions during the handling, storage, or processing of solid substances.
- **Storage Class (TRGS 510)**	LGK 13: Non-flammable solids
- **Occupational restrictions**	no
- **VOC (2010/75/EC)**	0%
- **Other regulations**	Not applicable

15.2 Chemical Safety Assessment

Not applicable

SECTION 16: Other Information

16.1 Abbreviations and Acronyms:

ADR = European Agreement concerning the International Carriage of Dangerous Goods by Road
RID = Regulation concerning the International Carriage of Dangerous Goods by Rail
ADN = European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
AVV = Waste Inventory Regulation
ATE = Acute Toxicity Estimate
BGI = Information from the German Social Accident Insurance Association
CAS = Chemical Abstracts Service
CLP = Classification, Labeling, and Packaging
DMEL = Derived Minimum Effect Level
DNEL = Derived No Effect Level
EC50 = Median Effective Concentration
ECB = European Chemicals Bureau
EEC = European Economic Community
EINECS = European Inventory of Existing Commercial Chemical Substances
EL50 = Median effective loading
ELINCS = European List of Notified Chemical Substances
EmS = Emergency Schedules
GHS = Globally Harmonized System of Classification and Labeling of Chemicals
IATA = International Air Transport Association
IBC Code = International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk
IC50 = 50% inhibition concentration
IFA = Institute for Occupational Safety and Health of the German Social Accident Insurance
IMDG = International Maritime Dangerous Goods Code
IUCLID = International Uniform Chemical Information Database
IVIS = In vitro irritation score
LC50 = Lethal concentration, 50%
LD50 = median lethal dose
LC0 = lethal concentration, 0%
LOAEL = Lowest-Observed-Adverse-Effect Level
LGK = Storage class
LL50 = median lethal loading
LQ = Limited Quantities
MARPOL = International Convention for the Prevention of Marine Pollution from Ships
NOAEL = No Observed Adverse Effect Level
NOEC = No Observed Effect Concentration
PBT = Persistent, Bioaccumulative, and Toxic substance
PNEC = Predicted No-Effect Concentration
REACH = Registration, Evaluation, Authorization, and Restriction of Chemicals
STP = Sewage Treatment Plant
TA-Luft = Technical Guidelines for Air Quality Control
TLV®/TWA = Threshold Limit Value – Time-Weighted Average
TLV®STEL = Threshold Limit Value – Short-Time Exposure Limit
TRGS = Technical Rules for Hazardous Substances
VOC = Volatile Organic Compounds
vPvB = Very Persistent and Very Bioaccumulative
AwSV = Ordinance on Facilities for Handling Substances Hazardous to Water
E = inhalable fraction
A = alveolar fraction
H = dermal
X = Carcinogen of Category 1A or 1B
Y = A risk of fetal harm need not be feared if the occupational exposure limit and the biological limit value (BGW) are complied with
Z = A risk of fetal harm cannot be ruled out even if the occupational exposure limit (AGW) and the biological limit (BGW) are complied with
AGS = Committee on Hazardous Substances
DFG = DFG Senate Commission for the Evaluation of Substances Harmful to Health
EU = European Union

16.2 Other Information

Revised sections 15.1

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