



SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name/designation KOROMINERAL

Identification on the label/Trade name

label designation/Name of product

KOROMINERAL

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

Relevant identified uses

Sector of uses [SU]

impregnation

1.3 Details of the supplier of the safety data sheet

Importer/Only Representative

KORODUR Westphal Hartbeton GmbH & Co. KG

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Information telephone: +49(0)2327/9457-17

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1.4 Emergency telephone number

No data available

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

remark

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard statements

hazard statements for health hazards

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Other labelling

Standard phrases for safety precautions for the protection of humans or the environment

General provisions

EUH210 safety data sheet available on request.

2.3 Other hazards

Results of PBT and vPvB assessment

not applicable

SECTION 3: Composition / information on ingredients

3.1/3.2 Substances/Mixtures

Hazardous ingredients

Silicic acid, sodium salt

>=15 - <=25 %

CAS 1344-09-8

EC 215-687-4

Skin Irrit. 2, H315 / Eye Irrit. 2, H319 / STOT SE 3, H335



SECTION 4: First aid measures

4.1 Description of first aid measures

General information

No special first aid measures required.

Following inhalation

Provide fresh air.

Following skin contact

Wash off immediately with water

After eye contact

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

Following ingestion

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Effects

See Section 11 for detailed information on health effects and symptoms. No known significant effects or critical hazards.

4.3 Indication of any immediate medical attention and special treatment needed

Notes for the doctor

Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

The product itself does not burn. Adapt extinguishing measures to the surrounding fire.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

No dangerous combustion products known

5.3 Advice for firefighters

Special protective equipment for firefighters

No special actions required.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Personal precautions

See protective measures under point 7 and 8.

For emergency responders

Personal protection equipment

Personal protective equipment, see section. 8

6.2 Environmental precautions

Do not allow to enter into surface water or drains.

6.3 Methods and material for containment and cleaning up

For containment

Suitable material for taking up:

Kieselguhr

Sand

Chemical binding agents, containing acids

Universal binder

6.4 Reference to other sections

Personal protection equipment: see section 8

Safe handling: see section 7

Disposal: see section 13



SECTION 7: Handling and storage

7.1 Precautions for safe handling

Protective measures

Advices on safe handling

For personal protective equipment see section 8. No special handling advice required. The general hygiene measures when handling chemicals are to be observed.

Further information

Do not eat and drink during work. Do not smoke while working.

Measures to prevent fire

Usual measures for fire prevention.

7.2 Conditions for safe storage, including any incompatibilities

Hints on joint storage

Storage class

Storage class 12 (TRGS 510)

Further information on storage conditions

Protect against:

Frost

Storage stability: 12 months

7.3 Specific end use(s)

Recommendation

Observe technical data sheet.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

remark

Does not contain any substances with occupational exposure limits.

DNEL-/PNEC-values

DMEL worker

Substance name Silicic acid, sodium salt

type

Long-term - dermal, systemic effects

Value 1,59 µg/cm²

DNEL Consumer

Substance name Silicic acid, sodium salt

type

Long-term - dermal, local effects

Value 0,8 mg/kg

DNEL worker

type

Long-term – inhalation, local effects

Value 5,61 mg/kg

PNEC

Value 7,5 mg/kg

PNEC type

aquatic, freshwater

8.2 Exposure controls

Personal protection equipment

Eye/face protection

Suitable eye protection:

Tightly sealed safety glasses.

Skin protection

Suitable material:

Butyl caoutchouc (butyl rubber)



NBR (Nitrile rubber)

FKM (fluoro rubber)

Body protection:

Suitable protective clothing:

Protective work clothing (e.g. safety shoes according to EN ISO 20345, long-sleeved work clothing, long trousers)

Respiratory protection

No special actions required.

Environmental exposure controls

remark

No special environmental protection measures required.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state

liquid

Colour

colourless

Odour

odourless

	parameter	Method - source - remark
Evaporation rate		not determined
Melting point/freezing point		not determined
Boiling point or initial boiling point and boiling range	>100 °C	
flammability		not determined
Upper explosion limit		not determined
lower explosion limit		not determined
Flash point (°C)		not applicable
Auto-ignition temperature		The study does not need to be conducted because the gas has no flammable range.
Decomposition temperature		not determined
pH	ca.11	Temperature 20 °C
Soluble (g/L) in		not determined
Fat solubility		not determined
Water solubility		completely miscible
Partition coefficient: n-octanol/water		not determined
Vapour pressure		not determined
Vapour density		not determined
Relative density	1,1 g/cm ³	Temperature 20 °C
particle characteristics		not determined
Dynamic viscosity	ca.100 mPa*s	Temperature 20 °C
flow time		not determined
Kinematic viscosity		not determined



9.2 Other information

Physical hazards

Flammable solids

Assessment/classification

Non-flammable.

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reactions known under normal use.

10.2 Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3 Possibility of hazardous reactions

Strongly exothermic reaction with acids. Reactions with light metals with the formation of hydrogen.

10.4 Conditions to avoid

This information is not available.

10.5 Incompatible materials

No information available.

10.6 Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Acute dermal toxicity

ingredient Silicic acid, sodium salt

Acute dermal toxicity >5000 mg/kg

Effective dose

LD50:

Species:

Rat

Acute inhalation toxicity (gas)

remark

Corrosive to the respiratory tract

Acute oral toxicity

ingredient Silicic acid, sodium salt

Acute oral toxicity >5000 mg/kg

Effective dose

LD50:

Species:

Rat

skin corrosion/irritation

Result / evaluation

Weak irritant effect.

Respiratory or skin sensitisation

Sensitisation to the respiratory tract

Assessment/classification

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

Skin sensitisation

Assessment/classification

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



CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Germ cell mutagenicity

Assessment/classification

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

Carcinogenicity

Result / evaluation

Not classified based on the information available.

Reproductive toxicity

Assessment/classification

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

STOT-single exposure

STOT SE 1 and 2

Dermal specific target organ toxicity (single exposure)

Assessment/classification

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

Oral specific target organ toxicity (single exposure)

Assessment/classification

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

STOT-repeated exposure

STOT RE 1 and 2

Dermal specific target organ toxicity (repeated exposure)

Assessment/classification

Not classified based on the information available.

Inhalative specific target organ toxicity (repeated exposure)

Assessment/classification

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

Oral specific target organ toxicity (repeated exposure)

Assessment/classification

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

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity

Acute (short-term) fish toxicity

ingredient Silicic acid, sodium salt

Acute (short-term) fish toxicity >100 mg/L

Effective dose

LC50:

Test duration 96 h

species

Oncorhynchus mykiss (Rainbow trout)

ingredient Silicic acid, sodium salt

Acute (short-term) fish toxicity >100 mg/L

Effective dose

LC50:

Test duration 96 h

species

Danio rerio (zebrafish)

Chronic (long-term) toxicity to aquatic invertebrate

ingredient Silicic acid, sodium salt

Chronic (long-term) toxicity to aquatic invertebrate >100 mg/L



Effective dose

EC 50

Test duration 48 h

species

Daphnia pulex (water flea)

Acute (short-term) toxicity to algae and cyanobacteria

ingredient Silicic acid, sodium salt

Acute (short-term) toxicity to algae and cyanobacteria >100 mg/L

Effective dose

EC50

Test duration 72 h

12.2 Persistence and degradability

Biodegradation

remark

This information is not available.

12.3 Bioaccumulative potential

Assessment/classification

This information is not available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

This substance / mixture does not contain any components in concentrations of 0.1% or higher that are either classified as persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB)

12.6 Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

remark

According to the current Waste Catalog Ordinance, waste must be assigned to the type of waste based on its origin. It is therefore not possible to clearly define a waste code number. Empty packaging must be recycled. Packaging that contains residues of hazardous substances or is contaminated by hazardous substances, as well as packaging that has not been completely emptied, must be disposed of properly and safely like the product.

Directive 2008/98/EC (Waste Framework Directive)

Before intended use

Appropriate disposal / Package

Completely emptied packings can be re-cycled.

SECTION 14: Transport information

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1 UN-No.	not applicable	not applicable	not applicable
14.2 Proper Shipping Name	not applicable	not applicable	not applicable
14.3 Class(es)	not applicable	not applicable	not applicable
14.4 Packing group	not applicable	not applicable	not applicable
14.5 ENVIRONMENTALLY HAZARDOUS	not applicable	not applicable	not applicable
14.6 Special precautions for user	not applicable	not applicable	not applicable
14.7 Maritime transport in bulk according to IMO instruments	not applicable	not applicable	not applicable

Additional information - Land transport (ADR/RID)

remark

No dangerous good in sense of this transport regulation.



Safety Data Sheet according to
Regulation (EC) No. 1907/2006 (REACH)

KOROMINERAL

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Version 1.1

Additional information - Sea transport (IMDG)

remark

No dangerous good in sense of this transport regulation.

Additional information - Air transport (ICAO-TI / IATA-DGR)

remark

No dangerous good in sense of this transport regulation.

SECTION 15: Regulatory information

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

National regulations

Germany

Water hazard class

WGK 1

15.2 Chemical Safety Assessment

For this substance a chemical safety assessment has been carried out.

SECTION 16: Other information

Key literature references and sources for data

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.