

# Safety Data Sheet (in compliance with Regulation (EC) 1907/2006 and Regulation (EC) 1272/2008)

Revision date: (date) 19/11/2019

Version EN 1

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## 1. SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1 Product identifier

Phlogopite

REACH Registr. n°:

Exempted in accordance with Annex V.7

Trade names:

**Phlogopite Mica**

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

Main applications of expanded graphite - non-exhaustive list: coatings, paint, plastics, glass, ceramic, etc.

### 1.3 Details of the supplier of the safety data sheet

COMPANY/UNDERTAKING IDENTIFICATION

**Kreidezeit Naturfarben GmbH**

**Kassemühle 3**

**D - 31195 Lamspringe**

**Phone N°: +49 5060-6080650**

**Fax N°: +49 5060-6080680**

E-mail of responsible person for SDS:

info@kreidezeit.de

### 1.4 Emergency telephone number

## 2. SECTION 2: HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

This product does not meet the criteria for classification as hazardous as defined in the Regulation EC 1272/2008 and in Directive 67/548/EEC.

Depending on the type of handling and use (e.g. grinding, drying), airborne respirable dust may be generated. Prolonged and/or massive inhalation of respirable dust may cause mucous membrane and respiratory irritation and lung injury.

This product should be handled with care to avoid dust generation.

Regulation EC 1272/2008:

No classification

Classification EU (67/548/EEC) :

No classification

### 2.2 Label elements

none

### 2.3 Other hazards

This product is an inorganic substance and does not meet the criteria for PBT or vPvB in accordance with Annex XIII of REACH.

## 3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Main constituent

Phlogopite

Amount:

100%

E.I.N.E.C.S.-N°

310-127-6

C.A.S.-N°

12001-26-2

Impurities

none

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## 4. SECTION 4: FIRST AID MEASURES

### 4.1 Description of first aid measures

#### EYE CONTACT:

Rinse with copious quantities of water and seek medical attention if irritation persists.

#### INHALATION:

Movement of the exposed individual from the area to fresh air is recommended.

#### INGESTION:

No first-aid measure required.

#### SKIN CONTACT:

No special first aid measures necessary.

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

No acute and delayed symptoms and effects are observed.

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

No special measure.

## 5. SECTION 5: FIREFIGHTING MEASURES

### 5.1 Extinguishing media

No specific extinguishing media is needed.

### 5.2 Special hazards arising from the substance or mixture

Non combustible. No hazardous thermal decomposition.

### 5.3 Advice for firefighters

No specific fire-fighting protection is required.

## 6. SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

Avoid airborne dust generation, wear personal protective equipment in compliance with national legislation.

### 6.2 ENVIRONMENTAL PRECAUTIONS:

No special requirements.

### 6.3 Methods and material for containment and cleaning up

Avoid dry sweeping and use water spraying or vacuum cleaning systems to prevent airborne dust generation. Wear personal protective equipment in compliance with national legislation.

### 6.4 Reference to other sections

See sections 8 and 13.

## 7. SECTION 7: HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Avoid airborne dust generation. Provide appropriate exhaust ventilation at places where airborne dust is generated. In case of insufficient ventilation, wear suitable respiratory protective equipment. Handle packaged products carefully to prevent accidental bursting.

Do not to eat, drink and smoke in work areas; wash hands after use; remove contaminated clothing and protective equipment before entering eating areas.

### 7.2 Conditions for safe storage, including any incompatibilities

#### Technical measures/Precautions

Minimise airborne dust generation and prevent wind dispersal during loading and unloading. Keep containers closed and store packaged products so as to prevent accidental bursting.

### 7.3 Specific end use(s)

If you require advice on specific uses, please contact your supplier.

## 8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

Follow workplace regulatory exposure limits for all types of airborne dust (e.g. total dust, respirable dust).

The OEL (Occupational Exposure Limit) for respirable dust is 4 mg/m<sup>3</sup> in the United Kingdom, measured as an 8 hour TWA (Time Weighted Average). For the equivalent limits in other countries, please consult a competent occupational hygienist or the local regulatory authority.

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## 8.2 EXPOSURE CONTROLS:

### Appropriate engineering controls

Minimise airborne dust generation. Use process enclosures, local exhaust ventilation or other engineering controls to keep airborne levels below specified exposure limits. If user operations generate dust, fumes or mist, use ventilation to keep exposure to airborne particles below the exposure limit. Apply organisational measures, e.g. by isolating personnel from dusty areas. Remove and wash soiled clothing.

### Individual protection measures, such as personal protective equipment

#### Eye/face protection

Wear safety glasses with side-shields in circumstances where there is a risk of penetrative eye injuries.

#### Skin protection

No specific requirement. For hands, see below. Appropriate protection (e.g. protective clothing, barrier cream) is recommended for workers who suffer from dermatitis or sensitive skin.

#### HAND PROTECTION:

Appropriate protection (e.g. gloves, barrier cream) is recommended for workers who suffer from dermatitis or sensitive skin. Wash hands at the end of each work session.

#### RESPIRATORY PROTECTION:

In case of prolonged exposure to airborne dust concentrations, wear a respiratory protective equipment that complies with the requirements of European or national legislation.

The use of half or full face masks with filters against particles of category 2 or 3 (FP2 - FP3) is recommended. See EN 143: 2000 - Respiratory protective devices. Particle filters.

#### ENVIRONMENTAL EXPOSURE CONTROLS:

Avoid wind dispersal.

## 9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

#### APPEARANCE:

brown powder

#### GRAIN SHAPE:

Tabular - Platy

#### ODOUR:

Odourless

#### Odour threshold

Not relevant

#### pH

pH (400 g/l water at 20°C)

approx. 9,5

#### RELATIVE DENSITY:

2,7-2,9 g/cm<sup>3</sup>

#### Solubility(ies)

##### Solubility in water

Approx. 0,1 g/l

##### Solubility in hydrofluoric acid

Yes

### 9.2 Other information

no other information

## 10. SECTION 10: STABILITY AND REACTIVITY

### 10.1 Reactivity

Inert, not reactive.

### 10.2 Chemical stability

Chemically stable

### 10.3 Possibility of hazardous reactions

No hazardous reactions.

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## 10.4 CONDITIONS TO AVOID:

Not relevant

## 10.5 Incompatible materials

No particular incompatibility.

## 10.6 HAZARDOUS DECOMPOSITION PRODUCTS:

Not relevant

## 11. SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### Acute toxicity

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

#### Skin corrosion/irritation

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

#### Serious eye damage/irritation

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

#### Respiratory or skin sensitisation

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

#### Germ cell mutagenicity

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

#### Carcinogenicity

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

#### Reproductive toxicity

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

#### STOT-single exposure

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

#### STOT-repeated exposure

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

#### Aspiration hazard

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

## 12. SECTION 12: ECOLOGICAL INFORMATION

### 12.1 Toxicity

Not relevant

### 12.2 Persistence and degradability

Not relevant

### 12.3 Bioaccumulative potential

Not relevant

### 12.4 Mobility in soil

Negligible

### 12.5 Results of PBT and vPvB assessment

Not relevant

### 12.6 Other adverse effects

No specific adverse effects known.

## 13. SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

#### Waste from residues/unused products

Where possible, recycling is preferable to disposal. Can be disposed of in compliance with local regulations.

#### Packaging

Dust formation from residues in packaging should be avoided and suitable worker protection assured.

Store used packaging in enclosed receptacles.

Recycling and disposal of packaging should be carried out in compliance with local regulations.

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The re-use of packaging is not recommended. Recycling and disposal of packaging should be carried out by an authorised waste management company.

## 14. SECTION 14: TRANSPORT INFORMATION

### 14.1 UN number

Not relevant

### 14.2 UN proper shipping name

Not relevant

### 14.3 Transport hazard class(es)

ADR: Not classified

IMDG: Not classified

ICAO/IATA: Not classified

RID: Not classified

### 14.4 Packing group

Not relevant

### 14.5 Environmental hazards

Not relevant

### 14.6 Special precautions for user

No special precautions.

### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not relevant

## 15. SECTION 15: REGULATORY INFORMATION

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

NATIONAL REGULATIONS:

### 15.2 Chemical safety assessment

Exempted from REACH Registration in accordance with Annex V.7.

## 16. SECTION 16: OTHER INFORMATION

### Third party materials

Insofar as materials not manufactured or supplied by Quarzwerke GmbH are used in conjunction with, or instead of Quarzwerke GmbH materials, it is the responsibility of the customer himself to obtain, from the manufacturer or supplier, all technical data and other properties relating to these and other materials and to obtain all necessary information relating to them. No liability can be accepted in respect of the use of Quarzwerke GmbH's products in conjunction with materials from another supplier.

### LIABILITY:

Such information is to the best of Quarzwerke GmbH's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use.

**(\*) = Due to new legal changes the material safety data sheet has completely been revised.**