

Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



53221 Biotite, coarse

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Revised edition: 03.03.2026

Version: 1

Printed: 03.03.2026

1. Identification of the Substance/Mixture and of the Company/Undertaking

1.1. Product Identifier

Product Name: Biotite, coarse

Article No.: 53221

UFI:

1.2. Relevant identified Uses of the Substance or Mixture and Uses advised against

Identified uses:

Filler or pigment

Uses advised against:

1.3. Details of the Supplier of the Safety Data Sheet (Producer/Importer)

Company: Kremer Pigmente GmbH & Co. KG

Address: Hauptstr. 41-47, 88317 Aichstetten, Germany

Tel./Fax.: Tel +49 7565 914480, Fax +49 7565 1606

Internet: www.kremer-pigmente.com

EMail: info@kremer-pigmente.com

Importer: --

1.4. Emergency No.

Emergency No.: +49 7565 914480 (Mon-Fri 8:00 - 17:00)

1.4.2 Poison Center:

2. Hazards Identification

2.1. Classification of the Substance or Mixture

Classification according to Regulation (EC) No. 1272/2008 (CLP/GHS)

This product does not require classification and labelling as hazardous according to CLP/GHS.

Possible Environmental Effects:

2.2. Label Elements

Classification according to Regulation (EC) No. 1272/2008 (CLP/GHS)

No classification required according to the CLP/GHS guidelines.

Hazard designation:

Not applicable.

Signal word:

Hazard designation:

Safety designation:

Hazardous components for labelling:

2.3. Other Hazards

3. Composition/Information on Ingredients

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3.1. Substance

3.2. Mixture

Chemical Characterization: Magnesia-iron-glimmer, $KAl_2(AlSi_3O_{10})(OH)_2$ (CAS 12001-26-2)

Information on Components / Hazardous Ingredients:

Additional information:

4. First Aid Measures

4.1. Description of the First Aid Measures

General information:

Seek medical attention in case of complaints.

After inhalation:

Supply fresh air and seek medical advice in case of complaints.

After skin contact:

Wash with soap and rinse with plenty of water.

After eye contact:

Rinse open eye for several minutes under running water. Should irritation continue, seek medical advice.

After ingestion:

Rinse mouth thoroughly with plenty of water and drink plenty of water. Consult a physician.

4.2. Most important Symptoms and Effects, both Acute and Delayed

Symptoms:

No further information available.

Effects:

4.3. Indication of any Immediate Medical Attention and special Treatment needed

Treatment:

Treat symptomatically.

5. Fire-Fighting Measures

5.1. Extinguishing Media

Suitable extinguishing media:

Use extinguishing media for surrounding fire.

Unsuitable extinguishing media:

5.2. Special Hazards arising from the Substance or Mixture

Special hazards:

No special hazards.

5.3. Advice for Firefighters

Protective equipment:

No special measures required.

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Further information:

6. Accidental Release Measures

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Personal precautions:

Avoid formation of dust.

6.2. Environmental Precautions

Environmental precautions:

Prevent contamination of soils, drains and surface water.

6.3. Methods and Material for Containment and Cleaning Up

Methods and material:

Take up mechanically and collect in suitable containers for disposal.

6.4. Reference to other Sections

7. Handling and Storage

7.1. Precautions for Safe Handling

Instructions on safe handling:

Avoid formation of dust. Do not inhale dust.

Hygienic measures:

Do not eat or drink during work. Do not smoke.

7.2. Conditions for Safe Storage, including any Incompatibilities

Storage conditions:

Store in closed container and keep product dry.

Requirements for storage areas and containers:

Keep container tightly closed.

Information on fire and explosion protection:

No special measures necessary.

Storage class:

10-13 (TRSG 510)

Further Information:

7.3. Specific End Use(s)

Further information:

8. Exposure Controls/Personal Protection

8.1. Parameters to be Controlled

Parameters to be controlled (DE):

TLV: 10 mg/m3 inhalable fraction (general dust limit)

Parameters to be controlled:

Derived No-Effect Level (DNEL):

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PNEC (Predicted No-Effect Concentration):

Additional Information:

8. 2. Exposure Controls

Technical protective measures:

Personal Protection

General protective measures:

Keep away from foodstuffs and drinks. Do not eat, drink or smoke during work. Wash hands before breaks and at the end of work.

Respiratory protection:

In case of formation of dust.

Hand protection:

Not required

Protective glove material:

Eye protection:

Safety glasses (EN 166)

Body protection:

Not required.

Environmental precautions:

No special measures required.

9. Physical and Chemical Properties

9. 1. Information on Basic Physical and Chemical Properties

Form: powder

Color: golden-brown

Odor: odorless

Odor threshold:
no information available

pH-Value: 7.5 - 9.5

Melting temperature:
not applicable

Boiling temperature:
not applicable

Flash point:
not flammable

Evaporation rate:
not applicable

Flammability (solid, gas):
not available

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Upper explosion limit: no information available

Lower explosion limit: no information available

Vapor pressure: not applicable

Vapor density: No information available.

Density: ca. 2.8 g/cm³

Solubility in water: insoluble

Coefficient of variation (n-Octanol/Water): no information available

Auto-ignition temperature: not applicable

Decomposition temperature: No data available.

Viscosity, dynamic: not applicable

Explosive properties: not explosive

Oxidizing properties: no information available

Bulk density:

9.2. Further Information

Solubility in solvents:

Viscosity, kinematic:

Burning class:

Solvent content:

Solid content:

Particle size: 250 - 1000 µm

Other information: No further information.

10. Stability and Reactivity

10.1. Reactivity
Stable if used according to specifications.

10.2. Chemical Stability
Stable if used according to specifications.

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- | | | |
|-------|------------------------------------|----------------------------------|
| 10.3. | Possibility of Hazardous Reactions | <i>Unknown.</i> |
| 10.4. | Conditions to Avoid | |
| | <i>Conditions to avoid:</i> | <i>No information available.</i> |
| | <i>Thermal decomposition:</i> | |
| 10.5. | Incompatible Materials | <i>None known.</i> |
| 10.6. | Hazardous Decomposition Products | <i>No information available.</i> |
| 10.7. | Further Information | |
-

11. Toxicological Information

- | | | |
|--------|---|------------------------------|
| 11. 1. | Information on Hazard Classes as defined in Regulation (EC) No. 1272/2008 | <i>No toxicity expected.</i> |
|--------|---|------------------------------|

Acute Toxicity

LD50, oral:

LD50, dermal:

LC50, inhalation:

Primary effects

Irritant effect on skin:

No irritant effect known.

Irritant effect on eyes:

No irritant effect known.

Inhalation:

No irritant effect known.

Ingestion:

No irritant effect known.

Sensitization:

No sensitizing effects known.

Mutagenicity:

not determined

Reproductive toxicity:

No relevant data found.

Carcinogenicity:

No relevant data found.

Teratogenicity:

No information available.

Specific target organ toxicity (STOT):

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No relevant data found.

Aspiration hazard:

No risk of aspiration.

11. 2. Information on other Hazards

No further information available.

12. Ecological Information

12. 1. Aquatic Toxicity

No toxicity expected.

Fish toxicity:

Daphnia toxicity:

Bacteria toxicity:

Algae toxicity:

12. 2. Persistency and Degradability

Not very soluble in water.

12. 3. Bioaccumulation

Not relevant.

12. 4. Mobility

No data available.

12. 5. Results of PBT- und vPvP Assessment

Not applicable.

12. 6. Endocrine Disrupting Properties

No data available.

12. 7. Other Adverse Effects

Water hazard class:

Not hazardous.

Behaviour in sewage systems:

Further ecological effects:

No special effects or hazards known.

AOX Value:

13. Disposal Considerations

13. 1. Waste Treatment Methods

Product:

Product can be taken to a waste disposal site according to local regulations.

European Waste Code (EWC):

Uncleaned packaging:

Dispose of according to official local regulations.

Waste Code No.:

14. Transport Information

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14. 1. UN Number
ADR, IMDG, IATA
14. 2. UN Proper Shipping Name
ADR/RID:
No hazardous goods according to ADR / DOT (US) (land transportation).
IMDG/IATA:
Not hazardous goods
14. 3. Transport Hazard Classes
ADR Class:
not applicable
Hazard no.:
Classification code:
Tunnel restriction code:
IMDG Class (sea):
not applicable
Hazard no.:
EmS No.:
IATA Class:
not applicable
Hazard no.:
14. 4. Packaging Group
ADR/RID:
not applicable
IMDG:
IATA:
14. 5. Environmental Hazards
None
14. 6. Special Precautions for User
Not classified as a dangerous good under transport regulations.
14. 7. Maritime Transport in Bulk according to IMO Instruments
14. 8. Further Information
-
- 15. Regulatory Information**
15. 1. Safety, Health and Environmental Regulations/Legislation specific for the Substance or Mixture
Water hazard class:
0, not hazardous (German Regulation; Self-assessment)
Local regulations on chemical accidents:

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Employment restrictions:

Restriction and prohibition of application:

Technical instructions on air quality:

15. 2. Chemical Safety Assessment

Exempted from the mandatory REACH Registration (Annex V No. 7)

15. 3. Further Information

16. Other Information

This product should be stored, handled and used in accordance with good hygiene practices and in conformity with any legal regulations. This information contained herein is based on the present state of knowledge and is intended to describe our product from the point of view of safety requirements. It should be therefore not be construed as guaranteeing specific properties.