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

1. 1. Product Identifier

Product Name:	*Rock Crystal*
Article No.:	*11400*
UFI:	*--*

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

Identified uses:

Restoration purposes

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)

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

Hazard designation:

Not applicable.

Signal word:

Hazard designation:

Safety designation:

Hazardous components for labelling:

2. 3. Other Hazards

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Depending on the use and handling the formation of airborne crystalline silicium dioxid is possible.
Prolonged and/or massive inhalation of airborne quartz dust may cause lung fibrosis, commonly referred to as silicosis. The symptoms of silicosis are cough and breathlessness.

3. Composition/Information on Ingredients

3. 1. Substance

3. 2. Mixture

Chemical Characterization:
80 - 150 µm
Quarz, SiO2 (CAS No. 14808-60-7, EINECS 238-878-4):

Information on Components / Hazardous Ingredients:

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

4. First Aid Measures

4. 1. Description of the First Aid Measures

General information:
Take affected persons out into the fresh air.

After inhalation:
Supply fresh air. Consult physician if symptoms persist.

After skin contact:
No special measures required.
Wash off with water.

After eye contact:
Rinse open eyes with plenty of water. In case of discomfort seek medical help.

After ingestion:
Rinse mouth with plenty of water.

4. 2. Most important Symptoms and Effects, both Acute and Delayed

Symptoms:
No acute or delayed symptoms or effects have been observed.

Effects:

4. 3. Indication of any Immediate Medical Attention and special Treatment needed

Treatment:
No further information available.

5. Fire-Fighting Measures

5. 1. Extinguishing Media

Suitable extinguishing media:
Product itself does not burn.
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.

Further information:

6. Accidential Release Measures

6. 1. Personal Precautions, Protective Equipment and Emergency Procedures

Personal precautions:

Avoid formation of dust, wear protective clothing.

6. 2. Environmental Precautions

Environmental precautions:

No special measures required.

6. 3. Methods and Material for Containment and Cleaning Up

Methods and material:

Do not clean dry.

Clean up by moistening product to avoid dust formation or use special vacuum cleaner.

6. 4. Reference to other Sections

7. Handling and Storage

7. 1. Precautions for Safe Handling

Instructions on safe handling:

Avoid formation and deposition of dust. Provide adequate ventilation.

Do not swallow or inhale.

Provide adequate ventilation.

Hygienic measures:

Wash hands at the end of work. Preventive skin protection recommended.

7. 2. Conditions for Safe Storage, including any Incompatibilities

Storage conditions:

Store in tightly sealed containers in a dry and cool room.

Protect from direct exposure to light.

Protect against humidity and water.

Requirements for storage areas and containers:

Store in a cool place.

Information on fire and explosion protection:

No special measures necessary.

Storage class:

13; Non combustible solids (TRGS 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):

Quartz, (CAS 14808-60-7), TWA (TRGS 900): 0.10 A mg/m3 (8h; Y; DFG)

Parameters to be controlled:

Derived No-Effect Level (DNEL):

PNEC (Predicted No-Effect Concentration):

Additional Information:

8. 2. Exposure Controls

Technical protective measures:

Use appropriate local exhaust ventilation to control airborne levels.

Personal Protection

General protective measures:

Do not inhale dust. Do not eat, drink or smoke while working. Wash hands before breaks and at the end of work.

Wash contaminated clothes before reuse.

Respiratory protection:

Wear protective mask, particle filter P2 or FFP2 or NIOSH N95 (for solid and liquid particles, EN 143, 149) if dust occurs.

Hand protection:

Recommended

Protective glove material:

Rubber or plastic gloves.

Eye protection:

Safety glasses with protective shields (EN 166).

Body protection:

Environmental precautions:

No special measures required.

9. Physical and Chemical Properties

9. 1. Information on Basic Physical and Chemical Properties

Form:	*powder*
Color:	*white*
Odor:	*odorless*
Odor threshold:	*no information available*
pH-Value:	*5 - 8 (20°C)*
Melting temperature:	*1710°C*
Boiling temperature:	*not applicable*
Flash point:	*not applicable*
Evaporation rate:	*No information available.*
Flammability (solid, gas):	*non-combustible*
Upper explosion limit:	*no information available*
Lower explosion limit:	*no information available*
Vapor pressure:	*not applicable*
Vapor density:	
Density:	*2.65 g/cm3*
Solubility in water:	*insoluble*
Coefficient of variation (n-Octanol/Water):	*no information available*
Auto-ignition temperature:	*No information available.*
Decomposition temperature:	*No data available.*
Viscosity, dynamic:	*not applicable*
Explosive properties:	*not applicable*
Oxidizing properties:	*no information available*
Bulk density:	

9. 2. Further Information

Solubility in solvents:

Viscosity, kinematic:

Burning class:

Solvent content:

Solid content:

Particle size:

Other information:

10. Stability and Reactivity

10.1. Reactivity

Chemically stable.

10.2. Chemical Stability

The product is stable.

10.3. Possibility of Hazardous Reactions

This material is considered to be stable.

10.4. Conditions to Avoid

Conditions to avoid:

No information available.

Thermal decomposition:

10.5. Imcompatible Materials

No information available.

10.6. Hazardous Decomposition Products

No information available.

10.7. Further Information

11. Toxicological Information

11. 1. Information on Hazard Classes as defined in Regulation (EC) No. 1272/2008

Acute Toxicity

No toxicity expected.

LD50, oral:

LD50, dermal:

LC50, inhalation:

Primary effects

Irritant effect on skin:

No irritant effect known.

Irritant effect on eyes:

May irritate eyes.

Inhalation:

Can cause irritation of the respiratory system.

Ingestion:

No irritant effect known.

Sensitization:

No relevant data found.

Mutagenicity:

No relevant data found.

Reproductive toxicity:

No relevant data found.

Carcinogenicity:

No relevant data found.

Teratogenicity:

No information available.

Specific target organ toxicity (STOT):

No relevant data found.

Aspiration hazard:

No risk of aspiration.

11. 2. Information on other Hazards

Frequent or repeated inhalation of airborne quartz powder (crystalline silicate) can cause silicosis.

No health impairments known or expected when used according to specifications.

The IARC (International Agency for Research on Cancer) notes that cystalline SiO2 which is inhaled at the working place can cause pulmonary cancer.

However, they further note that it does not apply for all working places and not all types of crystalline SiO2 (IARC-Monographs, 1997, Vol. 68).

The dust level should be measured and controlled continuously.

12. Ecological Information

12. 1. Aquatic Toxicity

No information available.

Fish toxicity:

Daphnia toxicity:

Bacteria toxicity:

Algae toxicity:

12. 2. Persistency and Degradability

No information available.

12. 3. Bioaccumulation

No information available.

12. 4. Mobility

No information available.

12. 5. Results of PBT- und vPvP Assessment

No data available.

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:

Not considered to be environmentally harmful.

AOX Value:

13. Disposal Considerations

13. 1. Waste Treatment Methods

Product:

If product cannot be reused or recycled, it has to be disposed of according to current local regulations.

European Waste Code (EWC):

Uncleaned packaging:

Dispose of according to official local regulations.

Waste Code No.:

14. Transport Information

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

not applicable

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)

Local regulations on chemical accidents:

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.