

# Safety Data Sheet

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



## 42711 Garnet Powder Red, very fine

Page 1

Revised edition: 16.12.2022

Version: 1

Printed: 16.12.2022

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

#### 1.1. Product Identifier

*Product Name:* Garnet Powder Red, very fine

*Article No.:* 42711

*UFI:* --

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

*Identified uses:*  
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](http://www.kremer-pigmente.com)

*E-Mail:* [info@kremer-pigmente.com](mailto: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

*The formation of dust is possible when handling and working with*  
next page: 2

# Safety Data Sheet

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



## 42711 Garnet Powder Red, very fine

Page 2

Revised edition: 16.12.2022

Version: 1

Printed: 16.12.2022

---

*this product.*

---

### 3. Composition/Information on Ingredients

#### 3.1. Substance

#### 3.2. Mixture

*Chemical Characterization:* CAS No. 1302-74-5, EINECS No. 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:*

*No special measures required.*

*After inhalation:*

*Supply fresh air. Consult physician if symptoms persist.*

*After skin contact:*

*No special measures required.*

*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 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:*

*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

next page: 3

# Safety Data Sheet

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



## 42711 Garnet Powder Red, very fine

Page 3

Revised edition: 16.12.2022

Version: 1

Printed: 16.12.2022

---

*Protective equipment:*

*Wear suitable protective clothing.*

*Further information:*

---

### 6. Accidental 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

*Protective clothing, see Section 8.*

---

### 7. Handling and Storage

#### 7.1. Precautions for Safe Handling

*Instructions on safe handling:*

*Avoid formation and deposition of dust. Provide adequate ventilation.*

*Provide adequate ventilation.*

*Do not swallow or inhale.*

*Hygienic measures:*

*Wash thoroughly after handling.*

#### 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:*

*13; Non combustible solids (TRGS 510)*

*Further Information:*

#### 7.3. Specific End Use(s)

*Further information:*

---

### 8. Exposure Controls/Personal Protection

next page: 4

# Safety Data Sheet

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



## 42711 Garnet Powder Red, very fine

Page 4

Revised edition: 16.12.2022

Version: 1

Printed: 16.12.2022

---

### 8.1. Parameters to be Controlled

*Parameters to be controlled (DE):*

TRGS 900

TLV: 1.25 mg/m<sup>3</sup> air-borne fraction (general dust limit)

TLV: 10 mg/m<sup>3</sup> inhalable fraction (general dust limit)

*Parameters to be controlled:*

*Derived No-Effect Level (DNEL):*

*Predicted No-Effect Concentration (PNEC):*

*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.

*Respiratory protection:*

Dust mask recommended when very dusty (with particle filter P1/P2/P3; EN 143).

*Hand protection:*

Not required

*Protective glove material:*

*Eye protection:*

Safety glasses with protective shields (EN 166).

*Body protection:*

*Environmental precautions:*

---

## 9. Physical and Chemical Properties

### 9.1. Information on Basic Physical and Chemical Properties

*Form:* powder

*Color:* reddish brown

*Odor:* odorless

*Odor threshold:*  
no information available

*pH-Value:*  
not applicable

*Melting temperature:* ca. 1350°C

*Boiling temperature:*  
not applicable

next page: 5

# Safety Data Sheet

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



## 42711 Garnet Powder Red, very fine

Page 5

Revised edition: 16.12.2022

Version: 1

Printed: 16.12.2022

*Flash point:*

*not applicable*

*Evaporation rate:*

*not applicable*

*Flammability (solid, gas):*

*not applicable*

*Upper explosion limit:*

*no information available*

*Lower explosion limit:*

*no information available*

*Vapor pressure:*

*not applicable*

*Vapor density:*

*No information available.*

*Density:*

*ca. 3.95 g/cm<sup>3</sup>*

*Solubility in water:*

*insoluble*

*Coefficient of variation (n-Octanol/Water):*

*not applicable*

*Auto-ignition temperature:*

*Product is not auto-ignitable.*

*Decomposition temperature:*

*not applicable*

*Viscosity, dynamic:*

*not applicable*

*Explosive properties:*

*Product does not present an explosion hazard.*

*Oxidizing properties:*

*none*

*Bulk density:*

*ca. 2.10 g/cm<sup>3</sup>*

### 9.2. Further Information

*Solubility in solvents:*

*Viscosity, kinematic:*

*Burning class:*

*Solvent content:*

*Solid content:*

*Particle size:*

*Other information:*

*No further information.*

# Safety Data Sheet

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



## 42711 Garnet Powder Red, very fine

Page 6

Revised edition: 16.12.2022

Version: 1

Printed: 16.12.2022

---

### 10. Stability and Reactivity

#### 10.1. Reactivity

*Chemically stable.*

#### 10.2. Chemical Stability

*Stable if used according to specifications.*

#### 10.3. Possibility of Hazardous Reactions

*None if handled and stored according to specifications.*

#### 10.4. Conditions to Avoid

*Conditions to avoid:*

*No further information available.*

*Thermal decomposition:*

#### 10.5. Incompatible Materials

*No information available.*

#### 10.6. Hazardous Decomposition Products

*None known.*

#### 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:*

*Product dust may cause irritation.*

*Inhalation:*

*No irritant effect known.*

*Ingestion:*

*No information available*

*Sensitization:*

*No relevant data found.*

*Mutagenicity:*

*No relevant data found.*

*Reproductive toxicity:*

*No relevant data found.*

*Carcinogenicity:*

*No relevant data found.*

next page: 7

# Safety Data Sheet

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



## 42711 Garnet Powder Red, very fine

Page 7

Revised edition: 16.12.2022

Version: 1

Printed: 16.12.2022

---

*Teratogenicity:*

*No relevant data found.*

*Specific target organ toxicity (STOT):*

*No relevant data found.*

*Aspiration hazard*

*No information available.*

**11.2. Information on other Hazards**

*Inhalation: Long-term overexposure can irritate the respiratory tract.*

---

**12. Ecological Information**

**12.1. Aquatic Toxicity**

*No toxicity expected.*

*Fish toxicity:*

*Daphnia toxicity:*

*Bacteria toxicity:*

*Algae toxicity:*

**12.2. Persistency and Degradability**

*No information available.*

**12.3. Bioaccumulation**

*Not relevant.*

**12.4. Mobility**

*Product is not water soluble.*

**12.5. Results of PBT- und vPvP Assessment**

*No data available.*

**12.6. Endocrine Disrupting Properties**

*Not listed.*

**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 possible reuse product.*

*This product does not fall under the rules of hazardous waste.*

*European Waste Code (EWC):*

*Uncleaned packaging:*

*Dispose of according to official local regulations.*

next page: 8

# Safety Data Sheet

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



## 42711 Garnet Powder Red, very fine

Page 8

Revised edition: 16.12.2022

Version: 1

Printed: 16.12.2022

---

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

*Not classified as environmentally hazardous.*

#### 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)*

next page: 9

# Safety Data Sheet

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



## 42711 Garnet Powder Red, very fine

Page 9

Revised edition: 16.12.2022

Version: 1

Printed: 16.12.2022

---

*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.*