

# Safety Data Sheet

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



## 10920 Pyrite Powder

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Revised edition: 08.09.2023

Version: 1

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

#### 1.1. Product Identifier

*Product Name:* Pyrite Powder

*Article No.:* 10920

*UFI:* --

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

*Identified uses:*  
Pigment in artists colors.

*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

*E-Mail:* 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:

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### 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

*No special hazards known.*

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### Composition/Information on Ingredients

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### 3.

#### 3.1. Substance

#### 3.2. Mixture

*Chemical Characterization:* Natural mineral, FeS<sub>2</sub>

*Information on Components / Hazardous Ingredients:*

Pyrite	100 %	CAS-Nr: 1309-36-0
		EINECS-Nr: 215-167-7
		EC-Nr:

*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.*

*After skin contact:*

*Wash with soap and rinse with plenty of water.*

*After eye contact:*

*Immediately flush open eyes with plenty of water.*

*After ingestion:*

*Drink water in small sips. Only induce vomiting if patient is conscious.*

#### 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:*

*No further information available.*

### 5. Fire-Fighting Measures

#### 5.1. Extinguishing Media

*Suitable extinguishing media:*

*All extinguishing agents suitable.*

*Unsuitable extinguishing media:*

*None known.*

#### 5.2. Special Hazards arising from the Substance or Mixture

*Special hazards:*

*In case of fire: formation of sulfuric acids and metal oxides.  
Product is combustible, but not easily flammable.*

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### 5.3. Advice for Firefighters

*Protective equipment:*

*Wear self-contained respiratory protective device and protective clothing.*

*Further information:*

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## 6. Accidental Release Measures

### 6.1. Personal Precautions, Protective Equipment and Emergency Procedures

*Personal precautions:*

*Wear protective clothing.*

*Avoid formation of dust.*

### 6.2. Environmental Precautions

*Environmental precautions:*

*Do not allow entering sewage system or water.*

### 6.3. Methods and Material for Containment and Cleaning Up

*Methods and material:*

*Clean up mechanically. Avoid dust formation.*

### 6.4. Reference to other Sections

*See Section 13 for information on disposal.*

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## 7. Handling and Storage

### 7.1. Precautions for Safe Handling

*Instructions on safe handling:*

*Wash hands with soap and water.*

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

*Hygienic measures:*

*Wash hands before breaks and after work.*

### 7.2. Conditions for Safe Storage, including any Incompatibilities

*Storage conditions:*

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

*Protect product from humidity.*

*Requirements for storage areas and containers:*

*Store product in correctly labelled containers.*

*Information on fire and explosion protection:*

*Do not store together with flammable products.*

*Do not store together with: acids.*

*Storage class:*

*10-13 (TRSG 510)*

*Further Information:*

### 7.3. Specific End Use(s)

*Further information:*

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### 8. Exposure Controls/Personal Protection

#### 8.1. Parameters to be Controlled

*Parameters to be controlled (DE):*

*none known*

*Parameters to be controlled:*

*Derived No-Effect Level (DNEL):*

*Predicted No-Effect Concentration (PNEC):*

*Additional Information:*

#### 8.2. Exposure Controls

*Technical protective measures:*

*Personal Protection*

*General protective measures:*

*The usual precautionary measures are to be adhered to when handling chemicals.*

*Respiratory protection:*

*Dust mask recommended when very dusty (with particle filter P1 or FFP1).*

*Hand protection:*

*Protective gloves (EN 374)*

*Protective glove material:*

*Eye protection:*

*Safety glasses with protective shields (EN 166).*

*Body protection:*

*Protective clothing.*

*Environmental precautions:*

*Prevent from getting into the soil, surface water and sewage system.*

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### 9. Physical and Chemical Properties

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

*Form: powder*

*Color: gray*

*Odor: odorless*

*Odor threshold: not applicable*

*pH-Value: not applicable*

*Melting temperature: 743°C*

*Boiling temperature:*

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*not applicable*

*Flash point:*

*not applicable*

*Evaporation rate:*

*not applicable*

*Flammability (solid, gas):*

*not flammable*

*Upper explosion limit:*

*not applicable*

*Lower explosion limit:*

*not applicable*

*Vapor pressure:*

*not applicable*

*Vapor density:*

*not applicable*

*Density:*

4.9 - 5.2 g/cm<sup>3</sup>

*Solubility in water:*

*insoluble*

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

*not determined*

*Auto-ignition temperature:*

*not determined*

*Decomposition temperature:*

*not applicable*

*Viscosity, dynamic:*

*not applicable*

*Explosive properties:*

*Risk of explosion when mixed with combustible substances.*

*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:*

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### 10. Stability and Reactivity

#### 10.1. Reactivity

*Stable if used according to specifications.*

#### 10.2. Chemical Stability

*Stable if used according to specifications.*

#### 10.3. Possibility of Hazardous Reactions

*Reacts with acids: development of hydrogen sulfide.*

*The powdered sulfide can self-ignite or explode in air, especially in the presence of moisture.*

#### 10.4. Conditions to Avoid

*Conditions to avoid:*

*Avoid humidity.*

*Thermal decomposition:*

#### 10.5. Incompatible Materials

*Acids*

#### 10.6. Hazardous Decomposition Products

*In the event of fire: see part 5.*

#### 10.7. Further Information

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### 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:*

*No irritant effect known.*

*Inhalation:*

*No irritant effect known.*

*Ingestion:*

*Sensitization:*

*No sensitizing effects known.*

*Mutagenicity:*

*No mutagenic effects known.*

*Reproductive toxicity:*

*No negative effects known.*

*No relevant data found.*

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*Carcinogenicity:*

*No cancerogenic effect known.*

*Teratogenicity:*

*No teratogenic effects expected.*

*Specific target organ toxicity (STOT):*

*Single exposure: no organospecific toxicity expected.  
Repeated exposure: no organospecific toxicity expected.*

*Aspiration hazard:*

*No risk of aspiration.*

**11. 2. Information on other Hazards**

*No further information available.*

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**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**

*No information available.*

**12. 4. Mobility**

*No information available.*

**12. 5. Results of PBT- und vPvP Assessment**

*The contents of the preparation do not comply with the criteria for the classification as PBT or vPvB.*

**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:*

*Natural product. Environmentally not hazardous.*

*AOX Value:*

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**13. Disposal Considerations**

**13. 1. Waste Treatment Methods**

*Product:*

*Dispose of according to official national and local regulations.*

*European Waste Code (EWC):*

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*Uncleaned packaging:*

*Non-contaminated packaging may be recycled.*

*Waste Code No.:*

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### 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

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### 15. Regulatory Information

#### 15.1. Safety, Health and Environmental Regulations/Legislation specific for the Substance or Mixture

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*Water hazard class:*

*0, not hazardous (German Regulation; Self-assessment)*

*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).*

### 15.3. Further Information

*EC. REACH, Annex XIV, Candidate List of Substances of very High Concern (SVHC): not regulated / not applicable*

*VOC Content: 0 %*

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### 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.*