

# Safety Data Sheet

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



## 48900 Iron Glimmer Gray, coarse

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Revised edition: 11.03.2019

Version: 1

Printed: 29.11.2019

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

#### 1.1. Product Identifier

*Product Name:* Iron Glimmer Gray, coarse

*Article No.:* 48900

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

*Identified uses:*

*Functional filler in construction chemistry (anticorrosive paints, ship paints), chemical industry, ceramics.*

*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:

### 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

*The product contains less than 1 % of quartz (fine fraction) as an impurity.*

### Composition/Information on Ingredients

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### 3.

#### 3.1. Substance

#### 3.2. Mixture

*Chemical Characterization:* Natural iron oxide (hematite); Pigment Black 11, C.I. 77491

*Information on Components / Hazardous Ingredients:*

Hematite, natural iron oxide (Fe <sub>2</sub> O <sub>3</sub> )	> 85 %	CAS-Nr: 1317-60-8
		EINECS-Nr: 215-275-4
		EC-Nr:

*Additional information:*

### 4. First Aid Measures

#### 4.1. Description of the First Aid Measures

*General information:*

*No special measures required.*

*After inhalation:*

*Supply fresh air.*

*In case of complaints consult a physician.*

*After skin contact:*

*Wash off with water.*

*If symptoms persist, consult a physician.*

*After eye contact:*

*Immediately flush open eyes with plenty of water.*

*Seek medical attention if irritation persists.*

*After ingestion:*

*If symptoms persist consult physician.*

*Rinse mouth with plenty of water.*

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

*Symptoms:*

*None known.*

*Effects:*

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

*Treatment:*

*No information available.*

### 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:*

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*Product is not flammable.*

### 5.3. Advice for Firefighters

*Protective equipment:*

*No special measures required.*

*Further information:*

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## 6. Accidental Release Measures

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

*Personal precautions:*

*Avoid formation of dust.*

*Do not inhale dust.*

### 6.2. Environmental Precautions

*Environmental precautions:*

*No special measures required.*

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

*Methods and material:*

*Take up mechanically and collect in suitable containers for disposal. Avoid dust formation.*

### 6.4. Reference to other Sections

*Protective clothing, see Section 8.*

*Dispose of contaminated material according to Section 13.*

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## 7. Handling and Storage

### 7.1. Precautions for Safe Handling

*Instructions on safe handling:*

*Avoid formation of dust.*

*Use suitable respiratory protection in case of inadequate ventilation.*

*Hygienic measures:*

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

*Storage conditions:*

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

*Requirements for storage areas and containers:*

*Information on fire and explosion protection:*

*Not required.*

*Storage class:*

*13; Non combustible solids (TRGS 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):*

TRGS 900

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

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

*Parameters to be controlled:*

Suva-List 2011, MAK (CH): 10 mg/m<sup>3</sup> (inhalable fraction); 3 mg/m<sup>3</sup> (airborne fraktion)

GKV 2011, MAK (A): 10 mg/m<sup>3</sup> (inhalable fraction); 2.5 mg/m<sup>3</sup> (airborne fraction)

*Derived No-Effect Level (DNEL):*

*Predicted No-Effect Concentration (PNEC):*

*Additional Information:*

#### 8.2. Exposure Controls

*Technical protective measures:*

*Provide adequate ventilation in case of dust formation.*

*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 FFP2).*

*Hand protection:*

*Not required*

*Protective glove material:*

*Eye protection:*

*Recommended in case of extreme dust formation (EN 166).*

*Body protection:*

*Environmental precautions:*

*No special measures required.*

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### 9. Physical and Chemical Properties

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

*Form:* powder

*Color:* gray-black, with a metallic gloss

*Odor:* odorless

*Odor threshold:* not determined

*pH-Value:* 7 - 10

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<i>Melting temperature:</i>	1300°C
<i>Boiling temperature:</i>	not applicable
<i>Flash point:</i>	not flammable
<i>Evaporation rate:</i>	not applicable
<i>Flammability (solid, gas):</i>	not flammable
<i>Upper explosion limit:</i>	no information available
<i>Lower explosion limit:</i>	no information available
<i>Vapor pressure:</i>	not applicable
<i>Vapor density:</i>	This product is a non-volatile solid.
<i>Density:</i>	4.8 g/cm <sup>3</sup>
<i>Solubility in water:</i>	practically insoluble
<i>Coefficient of variation (n-Octanol/Water):</i>	no information available
<i>Auto-ignition temperature:</i>	not applicable
<i>Decomposition temperature:</i>	not applicable
<i>Viscosity, dynamic:</i>	not applicable
<i>Explosive properties:</i>	Product does not present an explosion hazard.
<i>Oxidizing properties:</i>	none
<i>Bulk density:</i>	1.8 - 2.3 g/l

### 9.2. Further Information

*Solubility in solvents:*

*Viscosity, kinematic:*

*Burning class:*

*Solvent content:*

*Solid content:*

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*Particle size:*

*Other information:*

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### 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

*Unknown.*

#### 10.4. Conditions to Avoid

*Conditions to avoid:*

*No further information available.*

*Thermal decomposition:*

#### 10.5. Incompatible Materials

*None known.*

#### 10.6. Hazardous Decomposition Products

*None known.*

#### 10.7. Further Information

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### 11. Toxicological Information

#### 11. 1. Information on Toxicological Effects

*No toxicity expected.*

*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:*

*No mutagenic effects known.*

*Reproductive toxicity:*

*No reproductive toxicity expected.*

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### *Carcinogenicity:*

*No cancerogenic effect known.*

### *Teratogenicity:*

*No teratogenic effects expected.*

### *Specific target organ toxicity (STOT):*

*Single exposure: the substance or mixture is not classified as specific target organ toxicant.*

*Repeated exposure: no organospecific toxicity expected.*

### *Additional toxicological information:*

*Aspiration hazard: not applicable*

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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

*Not relevant.*

### 12.4. Mobility

*Product is not water soluble.*

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

*Not applicable.*

### 12.6. Other Adverse Effects

#### *Water hazard class:*

#### *Behaviour in sewage systems:*

*No negative effects.*

#### *Further ecological effects:*

#### *AOX Value:*

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## 13. Disposal Considerations

### 13.1. Waste Treatment Methods

#### *Product:*

*Recover or recycle if possible.*

*In accordance with current regulations, product has to be taken to a special waste disposal site, after consultation with site operator and/or with the responsible authority. Product may not be burned.*

#### *European Waste Code (EWC):*

#### *Uncleaned packaging:*

*Empty containers should be taken to an approved waste handling*

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*site for recycling or disposal.*

*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 (land transportation).*

*IMDG/IATA:*

*No hazardous goods according to IMDG.*

#### 14.3. Transport Hazard Classes

*ADR Class:*

*not applicable*

*Hazard no.:*

*Classification code:*

*Tunnel restriction code:*

*IMDG Class (sea):*

*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. Transportation in Bulk according to Annex II of MARPOL 73/78 and IBC-Code

#### 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

*Water hazard class:*

*0, not hazardous (German Regulation)*

*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

*VOC Content (w/w): 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.*