

# Safety Data Sheet

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



## 49710 Iron Chromite

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Revised edition: 05.09.2022

Version: 3.0

Printed: 19.09.2022

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

#### 1.1. Product Identifier

*Product Name:* Iron Chromite

*Article No.:* 49710

*UFI:* --

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

*Identified uses:*  
To dye plastics, varnishes and cement.

*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:*

*Signal word:*

*Hazard designation:*

*Safety designation:*

*Hazardous components for labelling:*

#### 2.3. Other Hazards

*No information available.*

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### 3. Composition/Information on Ingredients

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### 3.1. Substance

### 3.2. Mixture

*Chemical Characterization:* Hematite, chromium green black, Cr<sub>2</sub>O<sub>3</sub>. PG 17.77288  
*Inorganic pigment.*

*Information on Components / Hazardous Ingredients:*

Hematite, chromium green black; REACH Reg. No. 01-2119486806-23-0001	100 %	CAS-Nr: 68909-79-5 EINECS-Nr: 272-713-7 EC-Nr:
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*Additional information:*

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## 4. First Aid Measures

### 4.1. Description of the First Aid Measures

*General information:*

*Do not leave affected persons unattended.*

*After inhalation:*

*In case of unconsciousness place patient stable in side position for transportation.*

*Get medical help.*

*Consult physician if symptoms persist.*

*After skin contact:*

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

*Remove contaminated clothing.*

*After eye contact:*

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

*Remove contact lens.*

*Protect unharmed eye.*

*After ingestion:*

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

*Never give anything by mouth to an unconscious person.*

*Do not give milk or alcohol to drink.*

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

*Symptoms:*

*No further information available.*

*Effects:*

*No further information available.*

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

*Treatment:*

*Treat symptomatically.*

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## 5. Fire-Fighting Measures

### 5.1. Extinguishing Media

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*Suitable extinguishing media:*

*Use extinguishing media for surrounding fire.*

*Unsuitable extinguishing media:*

*Water with full jet.*

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

*Special hazards:*

*Usual measures for chemical fires.*

*No special hazards.*

### 5.3. Advice for Firefighters

*Protective equipment:*

*Wear self-contained respiratory protective device.*

*Further information:*

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## 6. Accidental Release Measures

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

*Personal precautions:*

*Wear appropriate protective equipment. Keep spectators away.*

*Avoid formation of dust.*

*Ensure adequate ventilation.*

### 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.*

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## 7. Handling and Storage

### 7.1. Precautions for Safe Handling

*Instructions on safe handling:*

*Avoid formation of dust. Do not inhale dust.*

*Wear adequate protective clothing (see para. 8).*

*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 tightly sealed containers in a dry and well ventilated location.*

*No incompatible substances known.*

*Requirements for storage areas and*

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*containers:*

*Electrical installation/working materials must comply with the technological safety standards.*

*Information on fire and explosion protection:*

*Avoid dust formation.  
Provide adequate exhaust ventilation at places where dust is formed.*

*Storage class:*

*13; Non combustible solids (TRGS 510)*

*Further Information:*

*Store in a dry place.  
No decomposition if used and stored according to specifications.*

### 7.3. Specific End Use(s)

*Further information:*

*The technical guidelines for the application of this product/mixture should be followed.*

## 8. Exposure Controls/Personal Protection

### 8.1. Parameters to be Controlled

*Does not contain substances with occupational exposure limits.*

*Parameters to be controlled (DE):*

*Parameters to be controlled:*

*Derived No-Effect Level (DNEL):*

*Predicted No-Effect Concentration (PNEC):*

*Additional Information:*

### 8.2. Exposure Controls

*Technical protective measures:*

*Technical protective measures have priority to personal protective measures.*

*Personal Protection*

*General protective measures:*

*Wear adequate protective clothing.  
Wash hands and face at the end of work. Carry out work under a fume hood. Do inhale product.*

*Respiratory protection:*

*None required under normal operating conditions.*

*Hand protection:*

*In case of prolonged contact:  
Recommended*

*Protective glove material:*

*Eye protection:*

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*Safety glasses (EN 166)*

*Body protection:*

*Protective clothing.*

*Environmental precautions:*

*Avoid contamination of sewage system, open water ways and ground water.*

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### 9. Physical and Chemical Properties

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

<i>Form:</i>	<i>powder</i>
<i>Color:</i>	<i>black</i>
<i>Odor:</i>	<i>odorless</i>
<i>Odor threshold:</i>	<i>no information available</i>
<i>pH-Value:</i>	<i>not available</i>
<i>Melting temperature:</i>	<i>not available</i>
<i>Boiling temperature:</i>	<i>not available</i>
<i>Flash point:</i>	<i>not applicable</i>
<i>Evaporation rate:</i>	<i>not applicable</i>
<i>Flammability (solid, gas):</i>	<i>not applicable</i>
<i>Upper explosion limit:</i>	<i>no information available</i>
<i>Lower explosion limit:</i>	<i>no information available</i>
<i>Vapor pressure:</i>	<i>not determined</i>
<i>Vapor density:</i>	<i>No information available.</i>
<i>Density:</i>	
<i>Solubility in water:</i>	<i>insoluble</i>
<i>Coefficient of variation (n-Octanol/Water):</i>	<i>not applicable</i>
<i>Auto-ignition temperature:</i>	<i>No information available.</i>

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*Decomposition temperature:*

*No data available.*

*Viscosity, dynamic:*

*not applicable*

*Explosive properties:*

*not available*

*Oxidizing properties:*

*no information available*

*Bulk density:*

*not determined*

### 9.2. Further Information

*Solubility in solvents:*

*Viscosity, kinematic:*

*Burning class:*

*Solvent content:*

*Solid content:*

*Particle size:*

*No data available.*

*Other information:*

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## 10. Stability and Reactivity

### 10.1. Reactivity

*Stable if used according to specifications.*

### 10.2. Chemical Stability

*No decomposition if used according to specifications.*

### 10.3. Possibility of Hazardous Reactions

*Dust can form explosive mixtures with air.*

### 10.4. Conditions to Avoid

*Conditions to avoid:*

*No information available.*

*Thermal decomposition:*

*No data available.*

### 10.5. Incompatible Materials

*No information available.*

### 10.6. Hazardous Decomposition Products

*None known.*

### 10.7. Further Information

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## 11. Toxicological Information

### 11.1. Information on Toxicological Effects

*Acute Toxicity*

*LD50, oral:*

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*No information available.*

*LD50, dermal:*

*No information available.*

*LC50, inhalation:*

*No information available.*

*Primary effects*

*Irritant effect on skin:*

*Non irritating*

*Irritant effect on eyes:*

*Non-irritating to eyes*

*Inhalation:*

*No information available.*

*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.*

*Teratogenicity:*

*No information available.*

*Specific target organ toxicity (STOT):*

*No relevant data found.*

*Additional toxicological information:*

*No information available.*

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## 12. Ecological Information

### 12.1. Aquatic Toxicity

*Fish toxicity:*

*No negative effects.*

*Daphnia toxicity:*

*No negative effects.*

*Bacteria toxicity:*

*No negative effects.*

*Algae toxicity:*

*No negative effects.*

### 12.2. Persistency and Degradability

*No information available.*

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### 12.3. Bioaccumulation

*No information available.*

### 12.4. Mobility

*No information available.*

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

*On the basis of available data, the product does not contain any PBT or vPvB substances in percentage greater than 0.1 %.*

### 12.6. Other Adverse Effects

*Water hazard class:*

*Behaviour in sewage systems:*

*Further ecological effects:*

*No ecological data available.*

*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):*

*Uncleaned packaging:*

*Empty containers can be landfilled after cleaning, when in compliance with the Environmental Protection (Duty of Care) Regulations 1991.*

*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*

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

*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:*

*Seveso III Directive: not applicable under Directive 2012/18/EC.*

*Employment restrictions:*

*Restriction and prohibition of application:*

*EC. REACH, Section XVII, Restrictions on the Manufacture, Placing on the Market and Use of Certain Dangerous Substances, Preparations and Articles: not applicable*

*Chemical Weapons Convention (CWC), Lists of toxic chemicals and raw materials: not forbidden and/or restricted*

*Technical instructions on air quality:*

*Classification III: 100 %*

### 15.2. Chemical Safety Assessment

*EC SVHC-List: This product does not contain a substance in the candidate list for substances of very high concern (REACH Regulation (EC) 1907/2006, Article 57)*

### 15.3. Further Information

*REACH: On the inventory, or in compliance with the inventory.*

*Listed in the following inventories:*

*EINECS (272-713-7), TSCA (US), AICS (AUS), DSL/NDL (CA), ENCS/ISHL (JP), KECI (KR), PICCS (PH), NZIoC (NZ), INV (CH), IECSC (CN), CICR (TR), TCSI (TW), TECI (TH)*

*EC. REACH, Annex XIV, Candidate List of Substances of very*

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*High Concern (SVHC): not regulated / not applicable*  
*Regulation (EC) 649/2012 concerning the export and import of dangerous chemicals: Not applicable*  
*Regulation (EC) 1005/2009 - Substances that Deplete the Ozone Layer: not regulated / not applicable*  
*Regulation (EC) 850/2004 - Persistent organic pollutants and amending Directive 79/117/EEC: not regulated / not applicable*

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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.*