

Safety Data Sheet

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



48651 Haematite, intense tinting

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Revised edition: 20.06.2017

Version: 1.2

Printed: 07.11.2017

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

1.1. Product Identifier

Product Name: Haematite, intense tinting

Article No.: 48651

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

Identified uses: Industrial application

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.de

E-Mail: info@kremer-pigmente.de

Importer: --

1.4. Emergency No.

Emergency No.: +49 7565 914480 (Mon-Fri 8:00 - 17:00)

2. Hazards Identification

2.1. Classification of the Substance or Mixture

Classification according to Regulation (EC) No. 1272/2008 (CLP/GHS)

Specific target organ toxicity (repeated exposure), hazard category 2

H373 May cause damage to organs through prolonged or repeated exposure.
Cat.: 2

Classification according to Directive No. 67/548/EC or No. 1999/45/EC

Safety Phrases:

Possible Environmental Effects:

2.2. Label Elements

Classification according to Regulation (EC) No. 1272/2008 (CLP/GHS)

Hazard designation:



GHS08-1

Signal word:

Warning

Hazard designation:

May cause damage to organs through prolonged or repeated exposure. 2

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H373 exposure.

Safety designation:

P260

Do not breathe dust/fume/gas/mist/vapours/spray.

P501

Dispose of contents/ container according to regional, national and international regulations.

Hazardous components for labelling:

2.3. Other Hazards

3. Composition/Information on Ingredients

3.1. Substance

3.2. Mixture

Chemical Characterization: Natural Iron Oxide, Pigment Red 102.

Information on Components / Hazardous Ingredients:

Quartz, Silica (SiO₂; Xn; R48/20; STOT RE1, H372)

1 - 5 %

CAS-Nr: 14808-60-7

EINECS-Nr: 238-878-4

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 and seek medical advice in case of complaints.

After skin contact:

Wash with soap and rinse with plenty of water.

In case of skin irritation consult physician.

After eye contact:

Remove contact lens. Rinse open eyes with plenty of water (10-15 min). Consult physician.

After ingestion:

If symptoms persist consult physician.

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

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Suitable extinguishing media:

Use extinguishing media for surrounding fire.

Unsuitable extinguishing media:

None known.

5.2. Special Hazards arising from the Substance or Mixture

Special hazards:

Product is not flammable.

5.3. Advice for Firefighters

Protective equipment:

Wear self-contained respiratory protective device.

Further information:

6. Accidental Release Measures

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Personal precautions:

*Avoid formation of dust.
Ensure adequate ventilation.*

6.2. Environmental Precautions

Environmental precautions:

Prevent contamination of soils, drains and surface 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

*Dispose of contaminated material according to Section 13.
Protective clothing, see Section 8.*

7. Handling and Storage

7.1. Precautions for Safe Handling

Instructions on safe handling:

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

Hygienic measures:

Do not inhale dust. Wash hands before breaks and at the end of work.

7.2. Conditions for Safe Storage, including any Incompatibilities

Storage conditions:

Store dry and in the original tightly sealed containers.

Requirements for storage areas and containers:

Close open containers with care and store in an upright position to avoid spilling.

Information on fire and explosion

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protection:

No special measures necessary.

Storage class (VCI):

13; Non combustible solids

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):

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:

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:

In case of long-term or higher exposure.

Hand protection:

Protective gloves (EN 374)

Protective glove material:

Recommended: Protective index 6, > 480 min. of permeation time accord. EN 374.

Eye protection:

Recommended (EN 166).

Body protection:

*Protective clothing.
Safety shoes.*

Environmental precautions:

No special measures required.

9. Physical and Chemical Properties

9.1. Information on Basic Physical and Chemical Properties

Form:

powder

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|--|--|
| <i>Color:</i> | <i>reddish brown</i> |
| <i>Odor:</i> | <i>odorless</i> |
| <i>Odor threshold:</i> | <i>No information available.</i> |
| <i>pH-Value:</i> | <i>7 - 9 (10 % H₂O; 20°C)</i> |
| <i>Melting temperature:</i> | <i>not applicable</i> |
| <i>Boiling temperature:</i> | <i>> 999°C</i> |
| <i>Flash point:</i> | <i>not applicable</i> |
| <i>Evaporation rate:</i> | <i>No information available.</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 applicable</i> |
| <i>Vapor density:</i> | |
| <i>Density:</i> | <i>4.5 - 4.7 g/cm³ (20°C)</i> |
| <i>Solubility in water:</i> | <i>insoluble</i> |
| <i>Coefficient of variation (n-Octanol/Water):</i> | <i>no information available</i> |
| <i>Auto-ignition temperature:</i> | <i>not applicable</i> |
| <i>Decomposition temperature:</i> | <i>ca. 860°C</i> |
| <i>Viscosity, dynamic:</i> | <i>not applicable</i> |
| <i>Explosive properties:</i> | <i>not available</i> |
| <i>Oxidizing properties:</i> | <i>No information available.</i> |
| <i>Bulk density:</i> | <i>900 kg/m³</i> |

9.2. Further Information

Solubility in solvents:

Viscosity, kinematic

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Burning class:

Solvent content:

Solid content:

Particle size:

Other information:

10. Stability and Reactivity

10.1. Reactivity

No information available.

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 information available.

Thermal decomposition:

10.5. Incompatible Materials

None known.

10.6. Hazardous Decomposition Products

No information available.

10.7. Further Information

11. Toxicological Information

11.1. Information on Toxicological Effects

Acute Toxicity

No toxicity expected.

LD50, oral:

Syptoms: irritation of the mucous membrane in mouth, throat, esophagus and gastro-intestinal tract.

LD50, dermal:

No information available.

LC50, inhalation:

There is some evidence that the inhalation of respirable silica or if suffering from silicosis increase the risk of skleroderma and kidney diseases.

Primary effects

Irritant effect on skin:

No irritant effect known.

Irritant effect on eyes:

No irritant effect known.

Inhalation:

No information available.

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Ingestion:

No information available

Sensitization:

No relevant data found.

Mutagenicity:

No relevant data found.

Reproductive toxicity:

No relevant data found.

Carcinogenicity:

*Quartz:
IARC: Group 1: Carcinogenic to humans.*

Teratogenicity:

No relevant data found.

Specific target organ toxicity (STOT):

*Repeated exposure: repeated exposure can cause pulmonary problems.
Symptoms: coughing, wheezing and general diseases in the chest area. The progress of the disease increase the pain in the chest area and respiratory insufficiency.*

Additional toxicological information:

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

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. Other Adverse Effects

Water hazard class:

Behaviour in sewage systems:

Further ecological effects:

No ecological data available.

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Do not let product enter waterways or sewage system.

AOX Value:

13. Disposal Considerations

13.1. Waste Treatment Methods

Product:

Dispose of according to official national and local regulations.

European Waste Code (EWC):

Uncleaned packaging:

Uncontaminated packaging may be recycled.

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 (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

None

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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

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

Technical instructions on air quality:

15.2. Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out for this product.

15.3. Further Information

Regulation (EC) 2037/2000 - 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

Regulation (EC) 689/2008 concerning the export and import of dangerous chemicals: not regulated / not applicable

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

Listed in the following inventories:

TSCA (US), AICS (AUS), DSL/NDSL (CA), ENCS (JP), ECL (KR), PICCS (PH), NZIoC (NZ), INV (CH), IECSC (CN), TCSCA (TW)

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.