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

23610 Alizarine Crimson Dark

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

1. 1. Product Identifier

Product Name: Alizarine Crimson Dark
Article No.: 23610

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

Identified uses: Colorant/organic pigment for coatings.

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
EMail: info@kremer-pigmente.de
Importer: --

1. 4. Emergency No.

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

Hazards Identification

2. 1. Classification of the Substance or Mixture

Classification according to Regulation (EC) No. 1272/2008 (CLP/GHS)
Acute toxicity (oral), hazard category 4
H302 Harmful if swallowed.
Cat.: 4

Classification according to Directive No. 67/548/EC or No. 1999/45/EC
Irritating (Xi) R36 Irritating to eyes.
Irritating (Xi) R37 Irritating to respiratory system.
Irritating (Xi) R38 Irritating to skin.

Safety Phrases:

Possible Environmental Effects:

2. 2. Label Elements

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

Hazard designation:

GHS07-1

Signal word:
Warning

Hazard designation:
H302 Harmful if swallowed.

Safety designation:
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses and continue rinsing.

Hazardous components for labelling:

3. Composition/Information on Ingredients

3.1. Substance

3.2. Mixture

Chemical Characterization: Synthetic organic pigment, based on dyestuff alizarin. CAS No. 72-48-0; EINECS 200-782-5. Pigment Red 83, C.I. 58000:1

Information on Components / Hazardous Ingredients:
Alizarine (1,2-Dihydroxyanthrachinone) (Xi; R36/37/38; Acute Tox. 4, H302) 30-50 % CAS-Nr: 72-48-0 EINECS-Nr: 200-782-5 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.

Get medical attention.

After eye contact: Rinse open eyes with plenty of water for at least 15 minutes.

Consult a physician immediately.

After ingestion: Rinse mouth with plenty of water and 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**

*Suitable extinguishing media:* Foam, extinguishing powder, water spray.

*Unsuitable extinguishing media:* Carbon dioxide (CO2)

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

*Special hazards:* In case of fire: formation of carbon oxides, nitrogen oxides.

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:* Wear protective clothing. Avoid formation of dust.

6.2. **Environmental Precautions**

*Environmental precautions:* Prevent contamination of soil, drains and surface waters.

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

*Methods and material:* Take up mechanically and collect in suitable containers for disposal.

6.4. **Reference to other Sections**

See Section 13 for information on disposal.

7. **Handling and Storage**

7.1. **Precautions for Safe Handling**

*Instructions on safe handling:* Provide adequate ventilation. Avoid formation of dust.

*Hygienic measures:* Keep away from foodstuffs and drinks. Do not eat, drink or smoke during work. Wash hands before breaks and at the end of work.

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

*Storage conditions:* Store product in a cool and well ventilated area. Keep away from ignitable and heat sources.

*Requirements for storage areas and containers:*
Information on fire and explosion protection:

Do not store together with ignitable sources, heat and fire. Ground and bond containers when transferring material.

Storage class (VCI):

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):

TLV: 10 mg/m3 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:

Ensure adequate ventilation, especially in confined areas.

Personal Protection

General protective measures:

Keep away from foodstuffs and drinks. Do not eat, drink or smoke during work. Wash hands before breaks and at the end of work.

Respiratory protection:

Wear protective mask, particle filter P2 or FFP2 or NIOSH N95 (for solid and liquid particles, EN 143, 149) if dust occurs.

Hand protection:

Protective gloves (EN 374)

Protective glove material:

Recommended: min. 0.4 mm thickness, breakthrough time > 480 min.

Eye protection:

Tightly fitting safety goggles (EN 166).

Body protection:

Protective clothing.

Environmental precautions:

9. Physical and Chemical Properties

9. 1. Information on Basic Physical and Chemical Properties

Form: powder
23610  Alizarine Crimson Dark

Color: red, bluish
Odor: odorless
Odor threshold: No information available.

pH-Value: 5.5 (2% extract)
Melting temperature: 290°C
Boiling temperature: 430°C
Flash point: not available

Evaporation rate: not applicable
Flammability (solid, gas): not available
Upper explosion limit: no information available
Lower explosion limit: no information available
Vapor pressure: not applicable
Vapor density: No information available.
Density: 1.7 g/cm³
Solubility in water: not readily soluble
Coefficient of variation (n-Octanol/Water): 2.45 logKOW
Auto-ignition temperature: not applicable
Decomposition temperature: No data available.
Viscosity, dynamic: not applicable
Explosive properties: not explosive
Oxidizing properties: No information available.

Bulk density:

9.2. Further Information
Solubility in solvents:
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

None if handled and stored according to specifications.

10.4. Conditions to Avoid

Conditions to avoid:

No information available.

10.5. Incompatible Materials

Strong oxidizing agents.

10.6. Hazardous Decomposition Products

In case of fire: formation of carbon and nitrogen oxides.

10.7. Further Information

11. Toxicological Information

11.1. Information on Toxicological Effects

Acute Toxicity

LD50, oral: > 2000 mg/kg (rat)

LD50, dermal: No information available.

LC50, inhalation: No information available.

Primary effects

Irritant effect on skin: Slight irritant effect.

Irritant effect on eyes: Product dust may cause irritation and redness.

Inhalation: Dust can irritate throat and respiratory tract thus causing cough.

Ingestion: No information available

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Sensitization: Not sensitizing.

Mutagenicity: Not mutagenic.

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: Aspiration hazard: not applicable

12. Ecological Information
12.1. Aquatic Toxicity

Fish toxicity: No information available.

Daphnia toxicity:

Bacteria toxicity:

Algae toxicity:

12.2. Persistency and Degradability

No information available.

12.3. Bioaccumulation

No information available.

12.4. Mobility

Product floats on water.
The product is almost completely insoluble.

12.5. Results of PBT- und vPvP Assessment

No data available.

12.6. Other Adverse Effects

Water hazard class: Do not let run into surface waters, waste water or soil.

Behaviour in sewage systems:

Further ecological effects:

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: Dispose of according to official local regulations.

Waste Code No.:

14. Transport Information

14.1. UN Number
ADR, IMDG, IATA

14.2. UN Proper Shipping Name
ADR/RID:

IMDG/IATA:

No hazardous goods according to ADR (land transportation).

14.3. Transport Hazard Classes
ADR Class:

Hazard no.:
Classification code:
Tunnel restriction code:
IMDG Class (sea):
Hazard no.:
EmS No.:
IATA Class:

Hazard no.:

14.4. Packaging Group
ADR/RID:

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

14.8. Further Information

15. Regulatory Information

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

Water hazard class:

1, slightly hazardous for water (German Regulation, self-
Local regulations on chemical accidents:

Employment restrictions:

Restriction and prohibition of application:

Restricted to professional users.

Technical instructions on air quality:

15.2. Chemical Safety Assessment

A Chemical Safety Assessment is not necessary for this product.

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.