

Safety Data Sheet

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



23610 Alizarine Crimson Dark

Page 1

Revised edition: 20.05.2015

Version: 1

Printed: 07.11.2017

1. 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)

2. Hazards Identification

2.1. Classification of the Substance or Mixture

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

H302 Acute toxicity (oral), hazard category 4
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:

next page: 2

Safety Data Sheet

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



23610 Alizarine Crimson Dark

Page 2

Revised edition: 20.05.2015

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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:

2. 3. Other Hazards

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.

next page: 3

Safety Data Sheet

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



23610 Alizarine Crimson Dark

Page 3

Revised edition: 20.05.2015

Version: 1

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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:

next page: 4

Safety Data Sheet

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



23610 Alizarine Crimson Dark

Page 4

Revised edition: 20.05.2015

Version: 1

Printed: 07.11.2017

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

next page: 5

Safety Data Sheet

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



23610 Alizarine Crimson Dark

Page 5

Revised edition: 20.05.2015

Version: 1

Printed: 07.11.2017

<i>Color:</i>	<i>red, bluish</i>
<i>Odor:</i>	<i>odorless</i>
<i>Odor threshold:</i>	<i>No information available.</i>
<i>pH-Value:</i>	<i>5.5 (2% extract)</i>
<i>Melting temperature:</i>	<i>290°C</i>
<i>Boiling temperature:</i>	<i>430°C</i>
<i>Flash point:</i>	<i>not available</i>
<i>Evaporation rate:</i>	<i>not applicable</i>
<i>Flammability (solid, gas):</i>	<i>not available</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>No information available.</i>
<i>Density:</i>	<i>1.7 g/cm³</i>
<i>Solubility in water:</i>	<i>not readily soluble</i>
<i>Coefficient of variation (n-Octanol/Water):</i>	<i>2.45 logKOW</i>
	<i>not applicable</i>
<i>Auto-ignition temperature:</i>	<i>not applicable</i>
<i>Decomposition temperature:</i>	<i>No data available.</i>
<i>Viscosity, dynamic:</i>	<i>not applicable</i>
<i>Explosive properties:</i>	<i>not explosive</i>
<i>Oxidizing properties:</i>	<i>No information available.</i>
<i>Bulk density:</i>	

9.2. Further Information

Solubility in solvents:

next page: 6

Safety Data Sheet

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



23610 Alizarine Crimson Dark

Page 6

Revised edition: 20.05.2015

Version: 1

Printed: 07.11.2017

Viscosity, kinematic

Burning class:

Solvent content:

Solid content:

Particle size:

Other information:

No further information.

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.

Thermal decomposition:

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

next page: 7

Safety Data Sheet

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



23610 Alizarine Crimson Dark

Page 7

Revised edition: 20.05.2015

Version: 1

Printed: 07.11.2017

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

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

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.

next page: 8

Safety Data Sheet

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



23610 Alizarine Crimson Dark

Page 8

Revised edition: 20.05.2015

Version: 1

Printed: 07.11.2017

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:

No hazardous goods according to ADR (land transportation).

IMDG/IATA:

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

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-

next page: 9

Safety Data Sheet

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



23610 Alizarine Crimson Dark

Page 9

Revised edition: 20.05.2015

Version: 1

Printed: 07.11.2017

assessment)

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.