

Safety Data Sheet

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



23600 Alizarine Crimson Light

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Revised edition: 08.06.2015

Version: 6

Printed: 18.01.2019

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

1.1. Product Identifier

Product Name: Alizarine Crimson Light

Article No.: 23600

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

Identified uses:

Paint and varnish industry
Plastics industry.
Colored printing inks
Chemical-technical industry
Agrochemical industry

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)

This product does not require classification and labelling as hazardous according to CLP/GHS.

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

The material is not subject to classification according to EC lists.

Safety Phrases:

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:

Signal word:

Hazard designation:

Safety designation:

Hazardous components for labelling:

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2.3. Other Hazards

Risk of dust explosion.

3. Composition/Information on Ingredients

3.1. Substance

3.2. Mixture

Chemical Characterization: Synthetic organic pigment, based on dyestuff alizarin. Pigment Red 112, C.I. 12370

Information on Components / Hazardous Ingredients:

Sulfonic acid, C14-17-sec-Alkane-, sodium salts (Xn; R22-38-41; H302-315-318-412); REACH 01-2119489924-20	1 - 5 %	CAS-Nr: 97489-15-1 EINECS-Nr: 307-055-2 EC-Nr:
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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 keep patient calm.

After skin contact:

Wash with soap and rinse with plenty of water.

After eye contact:

*Immediately flush open eyes with plenty of water.
Protect unharmed eye.*

After ingestion:

Do not induce vomiting. Consult physician immediately.

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:

Treat symptomatically.

5. Fire-Fighting Measures

5.1. Extinguishing Media

Suitable extinguishing media:

Foam, water jet.

Unsuitable extinguishing media:

Carbon dioxide, water jet, dry extinguishing powder.

5.2. Special Hazards arising from the Substance or Mixture

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Special hazards:

In case of fire: formation of carbon and 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.

Keep away from sources of ignition. No smoking.

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:

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

Take precautionary measures against static discharges; risk of dust explosion.

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:

No special measures necessary if properly handled.

Avoid formation of dust.

Hygienic measures:

Wash hands before breaks and after work.

Take off contaminated clothing immediately and reuse only after thoroughly cleaning these.

7.2. Conditions for Safe Storage, including any Incompatibilities

Storage conditions:

Store in a cool and dry place.

Requirements for storage areas and containers:

Information on fire and explosion protection:

Keep away from sources of ignition - do not smoke. Take measures to prevent electrostatic discharge.

Dust may form an explosive mixture with air.

Dust explosion class 1 (Kst-value > 0 - 200 bar m/s).

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Storage class (VCI):

10-13

Further Information:

7.3. Specific End Use(s)

Further information:

No further information available.

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)

TLV: 1.25 mg/m³ air-borne fraction (general dust limit)

Parameters to be controlled:

Derived No-Effect Level (DNEL):

C.I. Pigment Red 112 (6535-46-2):

42 mg/kg bw/d (worker, skin contact, long-term exposition - systemic effects)

49 mg/m³ (worker, inhalation, long-term exposition - systemic effects)

3 mg/m³ (worker, inhalation, long-term exposition - local effects)

25 mg/kg (consumer, skin contact/swallowing, long-term exposition - systemic effects)

Sulfonic acid, C14-17-sec-Alkane-, sodium salts (97489-15-1):

2.8 mg/kg/day (worker, skin contact, long-term/short-term exposition, local effects)

5 mg/kg bw/d (worker, skin contact, long-term exposition - systemic effects)

35 mg/m³ (worker, inhalation, long-term exposition - systemic effects)

2.8 mg/cm² (consumer, inhalation, long-term exposition, local effect)

3.57 mg/kg bw/d (consumer, skin contact, long-term exposition - systemic effects)

12.4 mg/m³ (consumer, inhalation, long-term exposition - systemic effects)

7.1 mg/kg bw/d (consumer, skin contact, long-term exposition - systemic effects)

Predicted No-Effect Concentration (PNEC):

Sulfonic acid, C14-17-sec-Alkane-, sodium salts, CAS 97489-15-1:

Fresh water: 0.04 mg/l

Sea water: 0.004 mg/l

Fresh water sediment: 9.4 mg/kg dw

Sea water sediment: 0.94 mg/kg dw

Soil: 9.4 mg/kg dw

Sewage treatment system (STP): 600 mg/l

Oral: 53.3 mg/kg food

Sporadic release: 0.06 mg/l

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Additional Information:

8.2. Exposure Controls

Technical protective measures:

Provide adequate ventilation.

Personal Protection

General protective measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Do not inhale dust. Do not eat, drink or smoke while working.

Wash hands before breaks and at the end of work.

Wash contaminated clothes before reuse.

Respiratory protection:

Dust mask recommended when very dusty.

Hand protection:

Protective gloves

The manufacturer's directions for use should be observed because of the great diversity of types.

Protective glove material:

Nitrile rubber

Eye protection:

Safety glasses (EN 166)

Body protection:

Protective clothing.

Environmental precautions:

No special measures required.

9. Physical and Chemical Properties

9.1. Information on Basic Physical and Chemical Properties

Form: powder

Color: red

Odor: characteristic

Odor threshold: No information available.

pH-Value: 5 - 8

Melting temperature: not determined

Boiling temperature: not applicable

Flash point: not applicable

Evaporation rate: not applicable

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Flammability (solid, gas):

not available

Upper explosion limit:

not determined

Lower explosion limit:

not determined

Vapor pressure:

not applicable

Vapor density:

No information available.

Density:

1.48 g/cm³ (20°C)

Solubility in water:

0.0044 mg/kg (20°C)

Coefficient of variation (n-Octanol/Water):

not determined

Auto-ignition temperature:

270°C (VDI 2263 Greuer)

Decomposition temperature:

> 270°C (heat rate: 3 K/min)

Viscosity, dynamic:

not applicable

Explosive properties:

Risk of dust explosion (Category ST1).

Oxidizing properties:

No information available.

Bulk density:

ca. 200 kg/m³ (20°C)

9.2. Further Information

Solubility in solvents:

Viscosity, kinematic

Burning class:

Solvent content:

Solid content:

Particle size:

4.5 µm

Other information:

Minimum ignition energy: 30 - 100 mJ

10. Stability and Reactivity

10.1. Reactivity

Stable if used according to specifications.

10.2. Chemical Stability

Stable if used according to specifications.

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10.3. Possibility of Hazardous Reactions

None if handled and stored according to specifications.

10.4. Conditions to Avoid

Conditions to avoid:

Avoid formation of dust.

Thermal decomposition:

10.5. Incompatible Materials

There are no known products which are incompatible with this product.

10.6. Hazardous Decomposition Products

None if handled according to specifications.

10.7. Further Information

11. Toxicological Information

11.1. Information on Toxicological Effects

Acute Toxicity

LD50, oral:

> 2000 mg/kg (rat)

Sulfonic acid, C14-17-sec-Alkane-, sodium salts: LD50 > 500 - 2000 mg/kg (OECD 401)

LD50, dermal:

Sulfonic acid, C14-17-sec-Alkane-, sodium salts: LD50 > 2000 mg/kg (mouse)

LC50, inhalation:

No information available.

Primary effects

Irritant effect on skin:

No information available

Irritant effect on eyes:

No information available.

Inhalation:

No information available.

Ingestion:

No information available

Sensitization:

Non sensitizing (guinea pig; OECD 406).

Mutagenicity:

In vitro genetic-toxicity: Ames-Test negative (Salmonella typhimurium; OECD 471)

Reproductive toxicity:

No information available.

Carcinogenicity:

No relevant data found.

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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

not determined

Fish toxicity:

Daphnia toxicity:

Bacteria toxicity:

Algae toxicity:

12.2. Persistency and Degradability

Sulfonic acid, C14-17-sec-Alkane-, sodium salts: readily biodegradable: 78 % (28d; OECD 301B); 89 % (28d; OECD 301E); 96.2 % (34d; OECD 303A)

12.3. Bioaccumulation

Sulfonic acid, C14-17-sec-Alkane-, sodium salts: considered unlikely to bioaccumulate.

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 and PBT or vPvB in percentage greater than 0.1 %.

12.6. Other Adverse Effects

Water hazard class:

1 (German Regulation) (Assessment by list): slightly hazardous.

Behaviour in sewage systems:

Further ecological effects:

No special effects or hazards known.

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:

Packaging may be disposed of in the same manner as the product.

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

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:

1, slightly hazardous for water (German Regulation, Assessment by list)

Local regulations on chemical accidents:

Employment restrictions:

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Restriction and prohibition of application:

Technical instructions on air quality:

15.2. Chemical Safety Assessment

No Chemical Safety Assessment (CSA) is yet available for the substance, or for the component substances, contained in 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.