

# Safety Data Sheet

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



## 23600 Alizarine Crimson Light

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Revised edition: 15.03.2019

Version: 7

Printed: 07.12.2020

### 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.com](http://www.kremer-pigmente.com)

*E-Mail:* [info@kremer-pigmente.com](mailto: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:

### 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)*

*No classification required according to the CLP/GHS guidelines.*

*Hazard designation:*

*Signal word:*

*Hazard designation:*

EUH208

*Contains C.I. Azoic Coupl. Comp. 18  
May produce an allergic reaction.*

*Safety designation:*

*Hazardous components for labelling:*

**Other Hazards**

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2.3.

*Risk of dust explosion.*

### 3. Composition/Information on Ingredients

3.1. Substance

3.2. Mixture

*Chemical Characterization:* Pigment Red 112, C.I. 12370

*Information on Components / Hazardous Ingredients:*

Sulfonic acid, C14-17-sec-Alkane-, sodium salts (H302-315-318-412); REACH Reg. No. 01-2119489924-20-0000	1 - 2.5 %	CAS-Nr: 97489-15-1 EINECS-Nr: 307-055-2 EC-Nr:
----------------------------------------------------------------------------------------------------------	-----------	------------------------------------------------------

C.I. Azoic Coupl. Comp. 18; 3-Hydroxy-2'-methyl-2-naphthanilide (H317-411); REACH Reg. No. 01-2119473801-38-0000	0.25 - 1 %	CAS-Nr: 135-61-5 EINECS-Nr: 205-205-0 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:*

*Take affected person to fresh air.*

*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:*

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*Carbon dioxide, water jet, dry extinguishing powder.*

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

*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.*

*Wear suitable protective clothing.*

*Further information:*

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## 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.*

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## 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*

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*measures to prevent electrostatic discharge.  
Dust may form an explosive mixture with air.  
Dust explosion class 1 (Kst-value > 0 - 200 bar m/s).*

*Storage class:*

*11; Combustible solids (TRGS 510)*

*Further Information:*

### 7.3. Specific End Use(s)

*Further information:*

*No further information available.*

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## 8. Exposure Controls/Personal Protection

### 8.1. Parameters to be Controlled

*Parameters to be controlled (DE):*

*Does not contain any components with workplace limit values.*

*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 exposure - systemic effects)  
49 mg/m<sup>3</sup> (worker, inhalation, long-term exposure - systemic effects)  
3 mg/m<sup>3</sup> (worker, inhalation, long-term exposure - local effects)  
25 mg/kg (consumer, skin contact/swallowing, long-term exposure - systemic effects)  
Sulfonic acid, C14-17-sec-Alkane-, sodium salts (97489-15-1):  
2.8 mg/kg/day (worker, skin contact, short-/long-term exposure, local effects)  
5 mg/kg bw/d (worker, skin contact, long-term exposure - systemic effects)  
35 mg/m<sup>3</sup> (worker, inhalation, long-term exposure - systemic effects)  
2.8 mg/cm<sup>2</sup> (consumer, inhalation, long-term exposure, local effect)  
3.57 mg/kg bw/d (consumer, skin contact, long-term exposure - systemic effects)  
12.4 mg/m<sup>3</sup> (consumer, inhalation, long-term exposure - systemic effects)  
7.1 mg/kg bw/d (consumer, skin contact, long-term exposure - 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*

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*Sewage treatment system (STP): 600 mg/l*

*Oral: 53.3 mg/kg food*

*Sporadic release: 0.06 mg/l*

*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 (NBR)*

*Eye protection:*

*Safety glasses (EN 166)*

*Body protection:*

*Protective clothing.*

*Environmental precautions:*

*No special measures required.*

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## 9. Physical and Chemical Properties

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

*Form: powder*

*Color: red*

*Odor: none*

*Odor threshold: not relevant*

*pH-Value: 5 - 8*

*Melting temperature: not determined*

*Boiling temperature: not applicable*

*Flash point:*

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*not applicable*

*Evaporation rate:*

*not applicable*

*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/cm<sup>3</sup> (20°C)*

*Solubility in water:*

*0.0044 mg/kg (20°C)*

*Coefficient of variation (n-Octanol/Water):*

*not determined*

*Auto-ignition temperature:*

*not determined*

*Decomposition temperature:*

*> 270°C (Heizrate: 3 K/min)  
Decomposition energy: 328 kJ/kg*

*Viscosity, dynamic:*

*not applicable*

*Explosive properties:*

*not available*

*Oxidizing properties:*

*No information available.*

*Bulk density:*

*ca. 200 kg/m<sup>3</sup> (20°C)*

### 9.2. Further Information

*Solubility in solvents:*

*Viscosity, kinematic:*

*Burning class:*

*2 (20°C); 2 (100°C)*

*Solvent content:*

*Solid content:*

*Particle size:*

*4.5 µm*

*Other information:*

*Self-heating substances:*

*Amount: 394 g, 1000 cm<sup>3</sup>, Storage temperature: 190°C, Critical*

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*temperature: 195°C (1.6 h)*  
*Impact sensitivity: no impact sensitive*  
*Dust explosion value (Kst): 117 m.b./s*  
*Minimum ignition energy: 30 - 100 mJ*  
*Self-ignition: 270°C (VDI 2263, n. Grewer)*

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### 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

*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

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### 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)*

*C.I. Azoic Coup. Comp. 18: > 5000 mg/kg (rat, female; 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:*

*Sulfonic acid, C14-17-sec-Alkane-, sodium salts: irritating to skin (4h, rabbit; OECD 404)*

*C.I. Azoic Coupl. Comp. 18: no irritating effect (4h, rabbit)*

*Irritant effect on eyes:*

*Sulfonic acid, C14-17-sec-Alkane-, sodium salts: risk of serious damage to eyes (24h, rabbit; OECD 405)*

*C.I. Azoic Goupl. Comp. 18: no irritating effect (24h; rabbit)*

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### Inhalation:

No information available.

### Ingestion:

No information available

### Sensitization:

Non sensitizing (guinea pig; OECD 406).

Sulfonic acid, C14-17-sec-Alkane-, sodium salts: non sensitizing (guinea pig; OECD 406)

C.I. Azoic Coup. Comp. 18: sensitizing (Mouse Local Lymph Node Assay (LLNA); OECD 429)

### Mutagenicity:

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

Sulfonic acid, C14-17-sec-Alkane-, sodium salts: In vitro bacterial mutagenicity test: negative (with and without metabolic activation, Salmonella typhimurium; OECD 471); In vitro mammalian mutagenicity test: negative (Chinese hamster fibroblasts; OECD 476)

In vivo genetic-toxicity: micronucleus negative (mouse, m/f, oral; OECD 474)

C.I. Azoic Coupl. Comp. 18: In vitro genetic-toxicity: Ames-Test negative (4-10000 µg/plate, Salmonella typhimurium; OECD 471)

### Reproductive toxicity:

Sulfonic acid, C14-17-sec-Alkane-, sodium salts: NOEL > 10000 ppm (oral, rat m/f, two generation study; dosage: 1000, 3000, 10000 ppm; > 60d; 1x daily)

C.I. Azoic Coupl. Comp. 18: no information available

### Carcinogenicity:

Sulfonic acid, C14-17-sec-Alkane-, sodium salts: negative (oral, rat m/f; 2 years, 1x daily, 0.08, 0.4, 2% in diet)

C.I. Azoic Coupl. Comp. 18: no information available

### Teratogenicity:

No information available.

### Specific target organ toxicity (STOT):

Single exposure:

Sulfonic acid, C14-17-sec-Alkane-, sodium salts: no organospecific toxicity expected.

C.I. Azoic Coupl. Comp. 18: no organospecific toxicity expected.

Repeated exposure:

Sulfonic acid, C14-17-sec-Alkane-, sodium salts: no organospecific toxicity expected.

C.I. Azoic Coupl. Comp. 18: no organospecific toxicity expected.

### Additional toxicological information:

Aspiration hazard: not applicable

## 12. Ecological Information

### 12.1. Aquatic Toxicity

Sulfonic acid, C14-17-sec-Alkane-, sodium salts:

Harmful for aquatic organisms, with long-term adverse effects. next page. 9

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*C.I. Azoic Coupl. Comp. 18:*

*Toxic for aquatic organisms. May cause long-term adverse effects in the aquatic environment.*

### *Fish toxicity:*

*Sulfonic acid, C14-17-sec-Alkane-, sodium salts: LC50: 8.4 mg/l (96h, Leuciscus idus); NOEC: 0.85 mg/l (28d, Oncorhynchus mykiss; OECD 204)*

*C.I. Azoic Coupl. Comp 18: LC50: 1.33-3.25 mg/l (96h, Danio rerio; OECD 203)*

### *Daphnia toxicity:*

*Sulfonic acid, C14-17-sec-Alkane-, sodium salts: EC50: 9.8 mg/l (48h, Daphnia magna; OECD 202); NOEC: 1 mg/l (22d, Daphnia magna; OECD 202)*

*C.I. Azoic Coupl. Comp. 18: EC50: > 0.108 mg/l (48h, Daphnia magna; OECD 202)*

### *Bacteria toxicity:*

*Sulfonic acid, C14-17-sec-Alkane-, sodium salts: NOEC: 1000 mg/l (16h, Pseudomonas putida)*

*Toxicity to soil dwelling organisms (Artificial soil): NOEC: 470 mg/kg (56d, Eisenia fetida; OECD 222); Sediment toxicity: NOEC: 1000 mg/kg dw (96h, Nematode Caenorhabditis)*

*C.I. Azoic Coupl. Comp. 18: EC50: > 1000 mg/l (3h, active sludge; OECD 209)*

### *Algae toxicity:*

*Sulfonic acid, C14-17-sec-Alkane-, sodium salts: ErC50: > 100 mg/l (72h, Desmodesmus subspicatus; OECD 201)*

*C.I. Azoic Coupl. Comp. 18: EC50: > 0,711 mg/l (72h, Desmodesmus subspicatus; OECD 201)*

## 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)*

*C.I. Azoic Coupl. Comp.: 12 % (28d); not readily biodegradable (32.3-63.4 mg/l, activated sludge; OECD 301B)*

## 12. 3. Bioaccumulation

*No bioaccumulation.*

## 12. 4. Mobility

*Sulfonic acid, C14-17-sec-Alkane-, sodium salts: Adsorption/Soil: log Kd 20 - 75 (OECD 106)*

## 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:*

*Avoid subsoil penetration. Prevent product from entering drains.*

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*Do not contaminate surface water.*

*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:*

*Contaminated packaging must be disposed like the substance.*

*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*

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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

*not applicable*

### 14.8. Further Information

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## 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 (according to the German Regulation AwSV)*

*Local regulations on chemical accidents:*

*Employment restrictions:*

*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

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