

# Safety Data Sheet

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



## 94419 Solvent Red 160

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Revised edition: 14.04.2022

Version: 3

Printed: 15.11.2022

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

#### 1.1. Product Identifier

*Product Name:* Solvent Red 160

*Article No.:* 94419

*UFI:* --

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

*Identified uses:*

*Coloring agent for dye and varnish industry  
Coloring agent for industrial purposes*

*Uses advised against:*

*Not applicable.*

#### 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)*

H411

Cat.: 2

*Chronic aquatic toxicity, hazard category 2  
Toxic to aquatic life with long lasting effects.*

*Possible Environmental Effects:*

#### 2.2. Label Elements

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

*This product is classified and labelled according to CLP/GHS  
regulations.*

*Hazard designation:*



GHS09

*Signal word:*

*Hazard designation:*

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H411 Toxic to aquatic life with long lasting effects.

*Safety designation:*

P273 Avoid release to the environment.  
P391 Collect spillage  
P501 Dispose of contents/ container according to regional, national and international regulations.

*Hazardous components for labelling:*

2.3. Other Hazards

*This product is capable of dust explosion under certain circumstances.*

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### 3. Composition/Information on Ingredients

3.1. Substance

3.2. Mixture

*Chemical Characterization:*

*Metal complex dye, C.I. Solvent Red 160  
Xanthylium, 9-(2-Carboxyphenyl)-3,6-bis(diethylamino)-, Hydrogen bis[3-[(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)azo]-2-hydroxy-5-nitrobenzolsulfonato(3-)]chromat(3-), Compound with 3-[(2-Ethylhexyl)oxy]-1-propanamin, CAS No. 84962-27-6*

*Information on Components / Hazardous Ingredients:*

C.I. Solvent Red 160 (H411); REACH Reg. No. 01-2120764862-45-0000	80 - 100 %	CAS-Nr: 84962-27-6 EINECS-Nr: 284-723-9 EC-Nr:
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*Additional information:*

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### 4. First Aid Measures

4.1. Description of the First Aid Measures

*General information:*

*Remove contaminated clothes.*

*After inhalation:*

*Supply fresh air.  
In case of complaints consult a physician.*

*After skin contact:*

*Wash with soap and rinse with plenty of water.  
Remove contaminated clothing.*

*After eye contact:*

*Rinse open eyes with plenty of water for at least 15 minutes.  
Remove contact lens.  
Consult a physician.*

*After ingestion:*

*After swallowing larger amount of product give plenty of water to drink and rinse mouth thoroughly with water.  
Do NOT induce vomiting. Consult a doctor.*

4.2. Most important Symptoms and Effects, both Acute and Delayed

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### Symptoms:

*Exposure to high concentrations of dust may result in upper respiratory tract (nose and throat) and pulmonary irritation.*

### Effects:

*No further information available.*

### 4. 3. Indication of any Immediate Medical Attention and special Treatment needed

#### Treatment:

*In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.*

*Treat symptomatically.*

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## 5. Fire-Fighting Measures

### 5. 1. Extinguishing Media

#### Suitable extinguishing media:

*Foam, carbon dioxide (CO<sub>2</sub>), extinguishing powder, water spray.*

#### Unsuitable extinguishing media:

*Water with full jet.*

### 5. 2. Special Hazards arising from the Substance or Mixture

#### Special hazards:

*In case of fire: hazardous vapors may be released. Development of fumes/aerosol.*

### 5. 3. Advice for Firefighters

#### Protective equipment:

*Wear self-contained respiratory protective device.*

#### Further information:

*Avoid formation of dust: risk of dust explosion.*

*Dispose of fire debris and contaminated extinguishing water in accordance with local regulations.*

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## 6. Accidental Release Measures

### 6. 1. Personal Precautions, Protective Equipment and Emergency Procedures

#### Personal precautions:

*Avoid formation of dust, wear protective clothing.*

### 6. 2. Environmental Precautions

#### Environmental precautions:

*Keep spills and cleaning runoff out of municipal sewers and open bodies of water.*

### 6. 3. Methods and Material for Containment and Cleaning Up

#### Methods and material:

*Contain with non-flammable absorbent material (e.g. sand, diatomaceous earth, vermiculite) and dispose accordingly.*

*Clean up with detergents.*

*Do not use solvents for cleaning.*

### 6. 4. Reference to other Sections

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*Protective clothing, see Section 8.*

*Dispose of contaminated material according to Section 13.*

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### 7. Handling and Storage

#### 7.1. Precautions for Safe Handling

*Instructions on safe handling:*

*Avoid contact with eyes, skin and clothing.*

*Respiratory protection when handling without exhaust system.*

*Avoid formation of dust. Do not inhale dust.*

*Hygienic measures:*

*Do not eat or drink during work. Do not smoke.*

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

*Storage conditions:*

*Store in tightly sealed containers in a dry and cool room.*

*Protect against heat and direct sunlight.*

*Requirements for storage areas and containers:*

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

*Keep container tightly closed.*

*Do not reuse container.*

*Information on fire and explosion protection:*

*Avoid dust formation. Protect against electrostatic charging.*

*Do not store together with ignitable sources, heat and fire.*

*Storage class:*

*11; Combustible solids (TRGS 510)*

*Further Information:*

*Storage temperature: 5 - 35°C*

#### 7.3. Specific End Use(s)

*Further information:*

*See Section 1.2.; no other uses provided*

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### 8. Exposure Controls/Personal Protection

#### 8.1. Parameters to be Controlled

*Parameters to be controlled (DE):*

*TRGS 900*

*TLV: 10 mg/m<sup>3</sup> inhalable fraction (general dust limit)*

*Peak limit Category: 2 (II)*

*TLV: 1.25 mg/m<sup>3</sup> air-borne fraction (general dust limit)*

*Parameters to be controlled:*

*Derived No-Effect Level (DNEL):*

*No values available.*

*Predicted No-Effect Concentration*

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(PNEC):

No values available.

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.

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:

Suitable respiratory protection for lower concentration or short-term effect: particle filter with medium efficiency for solid and liquid particles (e.g. EN 143 or 149, type P2 or FFP2).

Hand protection:

Chemical protective gloves (EN 374 (Europe), F739 (US)).

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

Protective glove material:

Please note the manufacturers' detailed statements, especially about the minimum thickness and the minimum breakthrough time.

Eye protection:

Safety glasses with protective shields (EN 166).

Body protection:

Protective antistatic clothing made of natural fibres or of high temperature-resistant synthetic fibres.

Environmental precautions:

Prevent from getting into the soil, surface water and sewage system.

## 9. Physical and Chemical Properties

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

Form: powder

Color: red

Odor: odorless

Odor threshold: no information available

pH-Value: 4 - 8

Melting temperature: > 185°C  
Decomposes without melting (DSC (DIN 51007))

Boiling temperature: 100°C (212°F)

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*Flash point:*

*not applicable*

*Evaporation rate:*

*This product is a non-volatile solid.*

*Flammability (solid, gas):*

*Not a flammable solid according to UN transport regulations division 4.1 and GHS chapter 2.7.*

*Upper explosion limit:*

*no information available*

*Lower explosion limit:*

*no information available*

*Vapor pressure:*

*not applicable*

*Vapor density:*

*This product is a non-volatile solid.*

*Density:*

*1.295 g/cm<sup>3</sup> (20°C; OECD 109)*

*Solubility in water:*

*5 - 52 mg/l (20°C, pH 6.6)*

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

*3.6 - 4.6 log KOW (20°C)*

*Auto-ignition temperature:*

*Product is not auto-ignitable (Test type: Spontaneous self-ignition at room temperature)*

*Decomposition temperature:*

*185°C, 0.5 kJ/g  
(DSC (DIN 51007))  
> 75°C (SADT, Test H.4, 28.4.4)*

*Viscosity, dynamic:*

*not applicable*

*Explosive properties:*

*Product does not present an explosion hazard.*

*Oxidizing properties:*

*not oxidizing*

*Bulk density:*

*460 - 560 kg/m<sup>3</sup>*

### 9.2. Further Information

*Solubility in solvents:*

*Soluble in organic solvents.  
Ethanol 96 %: 500 g/l  
Butanon: approx. 500 g/l*

*Viscosity, kinematic:*

*Burning class:*

*Solvent content:*

*Solid content:*

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*Particle size:*

*Other information:*

*Burning rate: The material doesn't meet the criteria specified in paragraph 33.2.1.4.4 of UN manual of tests and criteria.*

*Self-heating ability: This product is not self-heating.*

*Minimum ignition energy: The product is capable of dust explosion. SADT: > 75°C; Heat accumulation/Dewar 500 ml (SADT, UN-Test H.4, 28.4.4)*

*Grain size distribution: 124 µm (D50, Volumetric Distribution, ISO 13320-1; particle size by laser distribution)*

*Hygroscopy: not hygroscopic*

### 10. Stability and Reactivity

#### 10.1. Reactivity

*No decomposition if used according to specifications.*

#### 10.2. Chemical Stability

*Stable if used according to specifications.*

#### 10.3. Possibility of Hazardous Reactions

*Risk of dust explosion.*

#### 10.4. Conditions to Avoid

*Conditions to avoid:*

*Avoid formation of dust.*

*Avoid ignition sources.*

*Avoid humidity.*

*Thermal decomposition:*

*see section 9*

#### 10.5. Incompatible Materials

*Strong acids, strong bases and strong oxidizing agents.*

#### 10.6. Hazardous Decomposition Products

*None if stored and handled according to specifications.*

#### 10.7. Further Information

### 11. Toxicological Information

#### 11.1. Information on Hazard Classes as defined in Regulation (EC) No. 1272/2008

*Acute Toxicity*

*LD50, oral:*

*> 5000 mg/kg (rat; BASF)*

*Not toxic after single oral exposure.*

*LD50, dermal:*

*No information available.*

*LC50, inhalation:*

*Inhalation risk test (IRT):*

*No mortality within 8 hours in tests carried out with animals. No acute hazard expected after inhalation of a high concentration of vapor/air mixture.*

*Primary effects*

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*Irritant effect on skin:*

*Non irritating (rabbit; OECD 404)*

*Irritant effect on eyes:*

*Non-irritating to eyes (rabbit; OECD 405)*

*Inhalation:*

*No information available.*

*Ingestion:*

*No information available*

*Sensitization:*

*Non sensitizing (OECD 429, Mouse Local Lymph Node Assay (LLNA))*

*Mutagenicity:*

*Product does not show a mutagenic effect in a test with bacteria.*

*Reproductive toxicity:*

*No relevant data found.*

*Carcinogenicity:*

*No relevant data found.*

*Teratogenicity:*

*No information available.*

*Specific target organ toxicity (STOT):*

*Single exposure: no organospecific toxicity expected.  
Repeated exposure: no information available.*

*Aspiration hazard*

*No information available.*

**11.2. Information on other Hazards**

*No further information available.*

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**12. Ecological Information**

**12.1. Aquatic Toxicity**

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

*Fish toxicity:*

*not determined*

*Daphnia toxicity:*

*EC50: 10 - 100 mg/l (48h, Daphnia magna; OECD 202)*

*Bacteria toxicity:*

*EC50: > 100 mg/l (180 min, Pseudomonas putida; OECD 209)*

*Algae toxicity:*

*EC50: 1 - 10 mg/l (7d, Lemna gibba; OECD 221)*

**12.2. Persistency and Degradability**

*Very insoluble product and can thus be removed from water mechanically in suitable effluent treatment plants.*

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*Not readily biodegradable.*

### 12.3. Bioaccumulation

*Bioaccumulation is possible due to the distribution coefficient n-Octanol/water (logPOW).*

### 12.4. Mobility

*No information available.*

### 12.5. Results of PBT- und vPvP Assessment

*According to Annex VIII to Regulation (EC) No. 1907/2006 (REACH): this product is neither a PBT (persistent/bioaccumulative/toxic) or vPvB (very persistent/very bioaccumulative/very toxic) substance nor does it contain a PBT or vPvB substance.*

### 12.6. Endocrine Disrupting Properties

*Not listed.*

### 12.7. Other Adverse Effects

*Water hazard class:*

*2 (German Regulation) (Assessment by list): hazardous.*

*Behaviour in sewage systems:*

*Treatment in biological waste treatment plant has to be performed according to local and administrative regulations.*

*No impairment of the biodegradability of active sludge expected when small amounts are discharged in biological sewage plants.*

*Further ecological effects:*

*The product contains chromium bound as a complex.*

*The product does not contain any substances which can deplete the ozone layer, according to Regulation (EC) 1005/2009*

*AOX Value:*

*Product does not contain any organically bound halogens which influence the AOX value of discard water.*

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## 13. Disposal Considerations

### 13.1. Waste Treatment Methods

*Product:*

*In accordance with current regulations, product may be taken to a waste disposal site or incineration plant, after consultation with site operator and/or with the responsible authority.*

*European Waste Code (EWC):*

*Uncleaned packaging:*

*Non-contaminated packaging may be recycled.*

*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*

*3077*

### 14.2. UN Proper Shipping Name

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*ADR/RID:* UMWELTGEFÄHRDENDER STOFF, FEST, N.A.G. (C.I. Solvent Red 160)

*IMDG/IATA:* ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.A.G. (C.I. Solvent Red 160)

### 14.3. Transport Hazard Classes

*ADR Class:* 9  
*Hazard no.:* 9  
*Classification code:* M7  
*Tunnel restriction code:* -  
*IMDG Class (sea):* 9  
*Hazard no.:* 9  
*EmS No.:* F-A, S-F  
*IATA Class:* 9  
*Hazard no.:* 9

### 14.4. Packaging Group

*ADR/RID:* III  
*IMDG:* III  
*IATA:* III

### 14.5. Environmental Hazards

*Environmentally hazardous substance, solid; Marine Pollutant*

### 14.6. Special Precautions for User

*none known*

### 14.7. Maritime Transport in Bulk according to IMO Instruments

*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:*

*2, hazardous for water (according to the German Regulation AwSV)*

*Local regulations on chemical accidents:*

*Underlies the Accident Ordinance.*

*Category E2: Environmentally hazardous: Amount 2: 200 t;  
Amount 3: 500 t*

*Employment restrictions:*

*Restriction and prohibition of application:*

*Technical instructions on air quality:*

### 15.2. Chemical Safety Assessment

*A Chemical Safety Assessment has not been carried out for this*

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*product.*

### 15.3. Further Information

*Regulation (EC) 1005/2009 - Substances that Deplete the Ozone Layer: not regulated / not applicable*

*Listed in the following inventories:*

*REACH (EU), TSCA (US), DSL (CA), AICS (AUS), ENCS (JP), KECI (KR), PICCS (PH), IECSC (CN), NZIoC (NZ), TCSI (TW)*

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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.*