

# Safety Data Sheet

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



## 94405 Solvent Red 127

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Revised edition: 06.07.2021

Version: 1

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

#### 1.1. Product Identifier

*Product Name:* Solvent Red 127

*Article No.:* 94405

*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:*

*none*

#### 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)*

H302

Cat.: 4

H411

Cat.: 2

*Acute toxicity (oral), hazard category 4  
Chronic aquatic toxicity, hazard category 2  
Harmful if swallowed.*

*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)*

*Hazard designation:*



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GHS09

Signal word:

Warning

Hazard designation:

H302 Harmful if swallowed.  
H411 Toxic to aquatic life with long lasting effects.

Safety designation:

P264 Wash thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P273 Avoid release to the environment.  
P301+P330 If swallowed: Rinse mouth.  
P312 Call a poison center or physician if you feel unwell.  
P391 Collect spillage  
P501 Dispose of contents/ container according to regional, national and international regulations.

Hazardous components for labelling:

C.I. Solvent Red 127

### 2.3. Other Hazards

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

## 3. Composition/Information on Ingredients

### 3.1. Substance

### 3.2. Mixture

Chemical Characterization: *1:1 Chromium complex, C.I. Solvent Red 127  
Complex compound of resins, waxes, ethereal oils, pollen and different mineral substances and trace elements.*

Information on Components / Hazardous Ingredients:

Amines,rosin,comp.: 9-(2-carboxyphenyl)-3,6-bis (diethylamino)xanthylium-Cl + disodium hydrogen bis [4-[(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)azo]-3-hydroxy-1-napthalensulfonato (3-)]Cr(3)	80 - 100 %	CAS-Nr: 97862-65-2 EINECS-Nr: 308-114-5 EC-Nr:
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Additional information:

## 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.*

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*Remove contaminated clothing.*

*After eye contact:*

*Remove contact lens. Rinse open eyes with plenty of water (10-15 min). Consult physician.*

*After ingestion:*

*Rinse mouth with water and drink plenty of water.  
Do NOT induce vomiting. Consult a doctor.*

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

*Symptoms:*

*No further information available.  
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.*

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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: formation of carbon monoxide, carbon dioxide, nitrogen oxides, sulfur oxides, metal oxides/oxides.*

### 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.  
Avoid inhalation of dust.*

### 6.2. Environmental Precautions

*Environmental precautions:*

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*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

*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:*

*Respiratory protection when handling without exhaust system.*

*Avoid contact with eyes, skin and clothing.*

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

*Hygienic measures:*

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

*Remove contaminated clothing before entering dining areas.*

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

*Storage conditions:*

*Protect against heat, ignition sources and direct sunlight.*

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

*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.*

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

*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

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### *Parameters to be controlled (DE):*

*TRGS 900*

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

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

*Peak limit Category: 2 (II)*

### *Parameters to be controlled:*

#### *Derived No-Effect Level (DNEL):*

*No values available.*

#### *Predicted No-Effect Concentration (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:*

*Avoid contamination of sewage system, open water ways and ground water.*

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## 9. Physical and Chemical Properties

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

*Form:* powder

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<i>Color:</i>	<i>red</i>
<i>Odor:</i>	<i>odorless</i>
<i>Odor threshold:</i>	<i>no information available</i>
<i>pH-Value:</i>	<i>6.2 - 7.6 (suspension)</i>
<i>Melting temperature:</i>	<i>&gt; 200°C</i> <i>Decomposes without melting (DSC (DIN 51007))</i>
<i>Boiling temperature:</i>	<i>not applicable</i>
<i>Flash point:</i>	<i>not applicable</i>
<i>Evaporation rate:</i>	<i>This product is a non-volatile solid.</i>
<i>Flammability (solid, gas):</i>	<i>not highly flammable</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>This product is a non-volatile solid.</i>
<i>Density:</i>	<i>1.297 g/cm<sup>3</sup> (20°C)</i>
<i>Solubility in water:</i>	<i>&lt; 33 mg/l (20°C, pH 5-7)</i>
<i>Coefficient of variation (n-Octanol/Water):</i>	<i>not applicable</i>
<i>Auto-ignition temperature:</i>	<i>460°C (860°F)</i> <i>Product is not auto-ignitable (Test type: Spontaneous self-ignition at room temperature)</i>
<i>Decomposition temperature:</i>	<i>140 - 250°C, 300 kJ/kg</i> <i>(DSC (DIN 51007))</i>
<i>Viscosity, dynamic:</i>	<i>not applicable</i>
<i>Explosive properties:</i>	<i>Product does not present an explosion hazard.</i>
<i>Oxidizing properties:</i>	<i>not oxidizing</i>
<i>Bulk density:</i>	<i>450 - 550 kg/m<sup>3</sup></i>

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### 9.2. Further Information

*Solubility in solvents:*

*Viscosity, kinematic:*

*Burning class:*

*Solvent content:*

*Solid content:*

*Particle size:*

*Other information:*

*Self-heating ability: This product is not a self-heating substance according to the UN class 4.2 (UN Test N.4)*

*Minimum ignition energy: The product is capable of dust explosion.*

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### 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

*The product may contain explosive fine dust or such dust may be produced by abrasion during transport or product transfer.*

#### 10.4. Conditions to Avoid

*Conditions to avoid:*

*Avoid humidity.*

*Avoid ignition sources.*

*Avoid electrostatic discharge.*

*Thermal decomposition:*

*see section 9*

#### 10.5. Incompatible Materials

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

#### 10.6. Hazardous Decomposition Products

*Carbon oxides, nitrogen oxides, chromoxides, toxic fumes/vapors.*

#### 10.7. Further Information

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### 11. Toxicological Information

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

*Acute Toxicity*

*LD50, oral:*

*526 mg/kg (rat; OECD 401)*

*Harmful if swallowed.*

*LD50, dermal:*

*No information available.*

*LC50, inhalation:*

*No information available.*

*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:*

*No sensitizing effects known.*

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

### *Mutagenicity:*

*Product shows 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. May cause long-term adverse effects in the aquatic environment.*

#### *Fish toxicity:*

*No data available.*

#### *Daphnia toxicity:*

*EL50: 213 mg/l (48h, Daphnia magna; OECD 202)*

#### *Bacteria toxicity:*

*EC10: 140 mg/l (3h, active sludge; OECD 209)*

#### *Algae toxicity:*

*EL50: > 3.2 mg/l (7d, Lemna minor; OECD 201)*

### 12.2. Persistency and Degradability

*Not readily biodegradable.*

*The product is virtually insoluble in water and can thus be*

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	<i>separated from water mechanically in suitable effluent treatment plants.</i>
	<i>Elimination information: 0.8 % CO<sub>2</sub>-formation relative to the theoretical value (28d; OECD 301B; ISO 9439; 92/69/EEC, C.4-C; aerob. activated sludge)</i>
12. 3.	<b>Bioaccumulation</b>
	<i>No information available.</i>
12. 4.	<b>Mobility</b>
	<i>No information available.</i>
12. 5.	<b>Results of PBT- und vPvP Assessment</b>
	<i>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.</i>
12. 6.	<b>Endocrine Disrupting Properties</b>
	<i>Not listed.</i>
12. 7.	<b>Other Adverse Effects</b>
	<i>Water hazard class:</i>
	<i>3, hazardous</i>
	<i>Do not let product contaminate ground water, waterways or sewage system.</i>
	<i>Behaviour in sewage systems:</i>
	<i>Treatment in biological waste treatment plant has to be performed according to local and administrative regulations.</i>
	<i>Further ecological effects:</i>
	<i>The product contains Chromium (III) bound as a complex. Very toxic for water organisms. May cause long-term adverse effects in the aquatic environment.</i>
	<i>The product must not get into the watercourse without preparatory treatment. Do not allow to enter soil, waterways or sewage system.</i>
	<i>AOX Value:</i>
13.	<b>Disposal Considerations</b>
13. 1.	<b>Waste Treatment Methods</b>
	<i>Product:</i>
	<i>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.</i>
	<i>European Waste Code (EWC):</i>
	<i>Uncleaned packaging:</i>
	<i>Non-contaminated packaging may be recycled.</i>
	<i>Contaminated packaging must be disposed like the substance.</i>
	<i>Waste Code No.:</i>

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## 14. Transport Information

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<b>14.1.</b>	<b>UN Number</b>	
	<i>ADR, IMDG, IATA</i>	3077
<b>14.2.</b>	<b>UN Proper Shipping Name</b>	
	<i>ADR/RID:</i>	UMWELTGEFÄHRDENDER STOFF, FEST, N.A.G. (Amine, Rosin, Komponenten von Monoazo/Chrom-Komplexen)
	<i>IMDG/IATA:</i>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Amines, Rosin, Compounds of Monoazo/Chromium Complex)
<b>14.3.</b>	<b>Transport Hazard Classes</b>	
	<i>ADR Class:</i>	9
	<i>Hazard no.:</i>	9
	<i>Classification code:</i>	M7
	<i>Tunnel restriction code:</i>	-
	<i>IMDG Class (sea):</i>	9
	<i>Hazard no.:</i>	9
	<i>EmS No.:</i>	F-A, S-F
	<i>IATA Class:</i>	9
	<i>Hazard no.:</i>	9
<b>14.4.</b>	<b>Packaging Group</b>	
	<i>ADR/RID:</i>	III
	<i>IMDG:</i>	III
	<i>IATA:</i>	III
<b>14.5.</b>	<b>Environmental Hazards</b>	
		Labelling according 5.2.1.8 ADR/RID: fish and tree Labelling according 5.2.1.6.3 IMDG: fish and tree Labelled with "P" according 2.10 IMDG: yes
<b>14.6.</b>	<b>Special Precautions for User</b>	
		none known
<b>14.7.</b>	<b>Maritime Transport in Bulk according to IMO Instruments</b>	
		not evaluated
<b>14.8.</b>	<b>Further Information</b>	

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## 15. Regulatory Information

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

*Water hazard class:*

3, very hazardous for water (according to the German Regulation AwSV)

*Local regulations on chemical accidents:*

*Employment restrictions:*

*Restriction and prohibition of application:*

EC. REACH, Section XVII, Restrictions on the Manufacture,

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*Placing on the Market and Use of Certain Dangerous Substances, Preparations and Articles: not applicable*

*Technical instructions on air quality:*

### 15.2. Chemical Safety Assessment

*A Chemical Safety Assessment has been carried out for this product.*

### 15.3. Further Information

*EC. REACH, Annex XIV, Candidate List of Substances of very High Concern (SVHC): 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.*