

Safety Data Sheet

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



94412 Solvent Red 122

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Revised edition: 28.02.2019

Version: 7.0

Printed: 18.01.2021

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

1.1. Product Identifier

Product Name: Solvent Red 122

Article No.: 94412

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:

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

E-Mail: 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)*

H317

Cat.: 1

H412

Cat.: 3

*Acute aquatic toxicity, hazard category 1
Chronic aquatic toxicity, hazard category 3
May cause an allergic skin reaction.*

Harmful 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:



GHS07-1

Signal word:

Warning

Hazard designation:

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H317	May cause an allergic skin reaction.
H412	Harmful to aquatic life with long lasting effects.
<i>Safety designation:</i>	
P261	Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/ clothing/ eye/ face protection.
P303+P352	If on skin (or hair): wash with plenty of soap and water.
P333+P311	If skin irritation or rash occurs: Call a poison center or physician.
P362	Take off contaminated clothing and wash before reuse.
P501	Dispose of contents/ container according to regional, national and international regulations.

Hazardous components for labelling:

2.3. Other Hazards

*EUH208: Contains 3-Methyl-1-phenyl-5-pyrazolon. Can cause allergic reactions.
This product is capable of dust explosion under certain circumstances.*

3. Composition/Information on Ingredients

3.1. Substance

3.2. Mixture

Chemical Characterization: Metal complex dye, similar C.I. Solvent Red 122

Information on Components / Hazardous Ingredients:

Reaction mass of Amines, C10-14-branched and linear Alkyl-,bis [2,4-dihydro-4[(2-hydroxy-5-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)]chromate(1-) (1:1) and Amines, C10-14-branched and linear Alkyl-, bis[2,4-dihydro-4[(2-hydroxy-5-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)]chromate(1-)(H317-412); REACH Reg. No. 01-2120759947-32; Content: 95 - 100 %

3-Methyl-1-phenyl-5-pyrazolone (H317-412)	0.1 - 1 %	CAS-Nr: 89-25-8 EINECS-Nr: 201-891-0 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.
Remove contaminated clothing.*

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After eye contact:

Rinse open eyes with plenty of water for at least 15 minutes.

After ingestion:

*Rinse mouth immediately and give 200 - 300 ml of water to drink.
Consult physician.*

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

Symptoms:

No further information available.

Effects:

No further information available.

4.3. Indication of any Immediate Medical Attention and special Treatment needed

Treatment:

Symptomatic treatment (decontamination, vital functions), no specific antidote known.

5. Fire-Fighting Measures

5.1. Extinguishing Media

Suitable extinguishing media:

Extinguishing powder, foam.

Unsuitable extinguishing media:

Carbon dioxide (CO₂)

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.

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:

Small spills:

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Clean up with suitable appliance and dispose adequately.

Large spills:

Clean up mechanically. Avoid dust formation.

6.4. Reference to other Sections

Protective clothing, see Section 8.

Dispose of contaminated material according to Section 13.

7. Handling and Storage

7.1. Precautions for Safe Handling

Instructions on safe handling:

Respiratory protection when handling without exhaust system.

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.

Requirements for storage areas and containers:

No special measures necessary.

Information on fire and explosion protection:

Avoid dust formation. Protect against electrostatic charging.

Storage class:

11; Combustible solids (TRGS 510)

Further Information:

7.3. Specific End Use(s)

Further information:

No information available.

8. Exposure Controls/Personal Protection

8.1. Parameters to be Controlled

Parameters to be controlled (DE):

No exposure limits for this product.

TRGS 900

TLV: 10 mg/m³ inhalable fraction (general dust limit)

Top limit: 8 (II)

Category II: substances with a resorptive effect.

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

Parameters to be controlled:

Derived No-Effect Level (DNEL):

Predicted No-Effect Concentration (PNEC):

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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:

Recommended: Protective index 6, > 480 min. of permeation time accord. EN 374.

Nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), polyvinyl chloride (0.7 mm).

Eye protection:

Safety glasses with protective shields (EN 166).

Body protection:

Environmental precautions:

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: ca. 7.2 (20°C)

Melting temperature: 195 - 200°C

Boiling temperature:
not applicable

Flash point:
not applicable

Evaporation rate:
This product is a non-volatile solid.

Flammability (solid, gas):

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not easily flammable

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:

1.33 g/cm³ (20°C)

Solubility in water:

< 6 mg/l (20°C, pH 5.4-6.2)

Coefficient of variation (n-Octanol/Water):

not applicable

Auto-ignition temperature:

not applicable

Decomposition temperature:

*200°C, 0.76 kJ/g (DDK)
> 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:

250 - 500 kg/m³

9.2. Further Information

Solubility in solvents:

*Ethanol 96 %: 100 g/l
Butanon: ca. 500 g/l
MEK-insoluble matter: < 2 %*

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)
SADT: > 75°C; Heat accumulation/Dewar 500 ml (SADT, UN-Test H.4, 28.4.4)
Minimum ignition energy: 3 - 10 mJ (1 bar, 23°C); Inductivity: 0.1
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mH; The product is capable of dust explosion.

Hygroscopy: not hygroscopic

10. Stability and Reactivity

10.1. Reactivity

No decomposition if used according to specifications.

Formation of flammable gases: forms no flammable gases in the presence of water.

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.

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 Toxicological Effects

Acute Toxicity

Practically not toxic after a single oral exposure.

LD50, oral:

> 5000 mg/kg (rat; OECD 401)

LD50, dermal:

No information available.

LC50, inhalation:

No information available.

Primary effects

Irritant effect on skin:

Non irritating (In vitro, rabbit; OECD 439)

Irritant effect on eyes:

Non-irritating to eyes (in vitro, rabbit; OECD 492)

Inhalation:

No information available.

Ingestion:

No information available

Sensitization:

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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 information available.

Repeated exposure: no information available.

Additional toxicological information:

Aspiration hazard: not applicable

12. Ecological Information

12.1. Aquatic Toxicity

Acutely harmful for aquatic organisms.

Controlled release of small amounts of product in biological sewage system do not cause disorders of the biodegradability of activated sludge.

Fish toxicity:

not determined

Daphnia toxicity:

EL50: 27.39 mg/l (48h, Daphnia magna; OECD 202)

Bacteria toxicity:

EC20: > 1000 mg/l (3h, active sludge; OECD 209)

Terrestrial Toxicity: no data available

Algae toxicity:

EL50: 74.77 mg/l (7d, Lemma gibba; OECD 221)

EL10: 2.23 mg/l (7d, Lemma gibba; OECD 221)

12.2. Persistency and Degradability

Not readily biodegradable.

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

Elimination information: < 10 % CO₂-formation relative to the theoretical value (28d; OECD 301B; ISO 9439; 92/69/EEC, C.4-C; aerob. activated sludge)

No hydrolysis expected due to its structure.

12.3. Bioaccumulation

No information available.

12.4. Mobility

No information available.

12.5. Results of PBT- und vPvP Assessment

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(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. Other Adverse Effects

Water hazard class:

1, slightly hazardous (German Regulation; Self-assessment).

Behaviour in sewage systems:

Treatment and discharge of waste water into biological treatment plant should be carried out according to official national and local regulations.

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:

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:

*Uncontaminated packaging may be recycled.
Contaminated packaging must be disposed like the substance.*

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:

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):

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not applicable

Hazard no.:

EmS No.:

IATA Class:

not applicable

Hazard no.:

14.4. Packaging Group

ADR/RID:

IMDG:

IATA:

14.5. Environmental Hazards

Not classified as environmentally hazardous.

14.6. Special Precautions for User

none known

14.7. Transportation in Bulk according to Annex II of MARPOL 73/78 and IBC-Code

not evaluated

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 (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

A Chemical Safety Assessment has not yet been carried out 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.