

# Safety Data Sheet

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



## 94416 Solvent Blue 70

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Revised edition: 13.12.2018

Version: 6.0

Printed: 11.01.2021

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

#### 1.1. Product Identifier

*Product Name:* Solvent Blue 70

*Article No.:* 94416

#### 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)*

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

*Possible Environmental Effects:*

*See Section 12.*

#### 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:*

*Not applicable.*

*Signal word:*

*Hazard designation:*

*Safety designation:*

*Hazardous components for labelling:*

#### 2.3. Other Hazards

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

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### 3.

#### 3.1. Substance

#### 3.2. Mixture

*Chemical Characterization:*

*Dye, woodstain. Solvent Blue 70*

*Chemical name: Cuprate(1-), [C,C,C-tris[[[3-[(2-ethylhexyl)oxy]propyl]amino]sulfonyl]-29H,31H-phthalocyanine-C-sulfonato(3-)-N29,N30,N31,N32]-, hydrogen, compd. with 3-[(2-ethylhexyl)oxy]-1-propanamine (1:1)*

*Information on Components / Hazardous*

*Ingredients:*

Copper Phthalocyanine Complex, C.I. Solvent Blue 70; REACH Reg. No. 01-2120100143-81-0000	100 %	CAS-Nr: 94277-77-7 EINECS-Nr: 304-661-9 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.*

*After eye contact:*

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

*After ingestion:*

*Rinse mouth with water and drink plenty of water.*

#### 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:*

*Treat symptomatically.*

### 5. Fire-Fighting Measures

#### 5.1. Extinguishing Media

*Suitable extinguishing media:*

*Extinguishing powder, foam.*

*Unsuitable extinguishing media:*

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### Carbon dioxide (CO<sub>2</sub>)

#### 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:*

*Small spills:*

*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.*

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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.*

#### 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:*

*Store the product in the original container.*

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*Information on fire and explosion protection:*

*Avoid dust formation. Protect against electrostatic charging. Do not store together with ignitable sources, heat and fire. 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:*

*See Section 1.2.; no other uses provided*

## 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)*

*Top limit: 8 (II)*

*Category II: substances with a resorptive effect.*

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

*Parameters to be controlled:*

*Derived No-Effect Level (DNEL):*

*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.*

*Protective clothing recommended due to the coloring effects of the product.*

*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*

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*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:*

*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*

*Color: blue*

*Odor: odorless*

*Odor threshold: No information available.*

*pH-Value: 5 - 9*

*Melting temperature: Decomposes without melting (OECD 102)*

*Boiling temperature: not applicable*

*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:*

*Density: 1.393 g/cm<sup>3</sup> (20°C; OECD 109)*

*Solubility in water: < 0.01 mg/l (20°C, pH 6.2)*

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

> 7.1 log Kow (20°C; pH 6.2)

*Auto-ignition temperature:*

Product is not auto-ignitable.

*Decomposition temperature:*

180°C, 10 J/g (DDK(DIN 51007))

275°C, 80 J/g (DDK (DIN 51007))

430°C, > 60 J/g (DDK (DIN 51007))

Not a substance liable to self-decomposition according to UN transport regulations, class 4.1

*Viscosity, dynamic:*

not applicable

*Explosive properties:*

Product does not present an explosion hazard.

*Oxidizing properties:*

not oxidizing

*Bulk density:*

ca. 500 kg/m<sup>3</sup>

### 9.2. Further Information

*Solubility in solvents:*

Soluble in organic solvents.

Ethanol: 100 g/l

Butanon: ca. 500 g/l

*Viscosity, kinematic:*

*Burning class:*

*Solvent content:*

*Solid content:*

*Particle size:*

*Other information:*

Minimum ignition energy: > 10 - < 30 mJ (1013 hPa, 20°C)

Burning rate: > 2.2 mm/s, 200 mm

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

Decomposition point: > 170°C

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:*

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*Avoid formation of dust.  
Avoid ignition sources.*

*Thermal decomposition:*

### 10.5. Incompatible Materials

*No information available.*

### 10.6. Hazardous Decomposition Products

*None if stored and handled according to specifications.*

### 10.7. Further Information

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## 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)*

*LD50, dermal:*

*not determined*

*LC50, inhalation:*

*not determined*

*Primary effects*

*Irritant effect on skin:*

*Non irritating (rabbit)*

*Irritant effect on eyes:*

*Non-irritating to eyes (rabbit)*

*Inhalation:*

*No information available.*

*Ingestion:*

*No information available*

*Sensitization:*

*Skin sensitizing effects were not observed in animal studies.  
Non sensitizing (OECD 429, Mouse Local Lymph Node Assay (LLNA))*

*Mutagenicity:*

*No mutagenic effects known.*

*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.*

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### *Additional toxicological information:*

*Aspiration hazard: not applicable*

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## 12. Ecological Information

### 12.1. Aquatic Toxicity

*Not hazardous for aqueous organisms.*

*Fish toxicity:*

*LC50: > 100 mg/l (96h, Danio rerio; OECD 203)*

*Daphnia toxicity:*

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

*Bacteria toxicity:*

*EC20: > 1000 mg/l (0.5h, active sludge; OECD 209)*

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

*Algae toxicity:*

*EC50: 30.4 mg/l (7d, Lemna gibba; OECD 221)*

### 12.2. Persistency and Degradability

*Inorganic product is not very soluble in water and can thus be removed from water mechanically in suitable effluent treatment plants.*

*Elimination information: < 10 % CO<sub>2</sub>-formation relative to the theoretical value (28d; OECD 301B; ISO 9439; 92/69/EEC, C.4-C; aerob. activated sludge)*

### 12.3. Bioaccumulation

*Considered unlikely to bioaccumulate.*

### 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. Other Adverse Effects

*Water hazard class:*

*1 (German Regulation) (Assessment by list): slightly hazardous. Do not let run into surface waters, waste water or soil.*

*Behaviour in sewage systems:*

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

*Further ecological effects:*

*The product contains copper 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:*

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## 13. Disposal Considerations

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### 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.:*

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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:*

*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.*

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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:*

*Not listed.*

*Employment restrictions:*

*Restriction and prohibition of application:*

*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

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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.*