

# Safety Data Sheet

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



## 94413 Solvent Black 29

Page 1

Revised edition: 28.11.2018

Version: 8.0

Printed: 11.01.2021

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

#### 1.1. Product Identifier

*Product Name:* Solvent Black 29

*Article No.:* 94413

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

*Identified uses:*

*Coloring component  
Only 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)*

H360D Reproductive toxicity, hazard category 1B  
May damage the unborn child.  
Cat.: Repr. 1B

*Possible Environmental Effects:*

#### 2.2. Label Elements

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

*Hazard designation:*



GHS08-2

*Signal word:*

Danger

*Hazard designation:*

H360D May damage the unborn child.

*Safety designation:*

Obtain special instructions before use.

next page: 2

# Safety Data Sheet

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



## 94413 Solvent Black 29

Page 2

Revised edition: 28.11.2018

Version: 8.0

Printed: 11.01.2021

---

P201	
P202	Do not handle until all safety precautions have been read and understood.
P280	Wear protective gloves/ clothing/ eye/ face protection.
P308+P310	If exposed or you feel unwell: Immediately call a poison center or physician.
P391	Collect spillage
P405	Store locked up.
P501	Dispose of contents/ container according to regional, national and international regulations.

*Hazardous components for labelling:*

### 2.3. Other Hazards

*Restricted to professional users.  
EUH208: Can cause allergic reactions.  
Contains: 2-Naphthol  
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:* C.I. Solvent Black 29

*Information on Components / Hazardous Ingredients:*

*Metal complex colorant (reaction mass of): Tert-alkyl(C12-C14) ammonium bis[1-[(2-hydroxy-5-nitrophenyl)azo]-2-naphthalenolato(2-)]-chromate(1-); tert-alkyl(C12-C14) ammonium bis[1-[(2-hydroxy-4-nitrophenyl)azo]-2-naphthalenolato(2-)]-chromate(1-); tert-alkyl(C12-C14) ammonium bis[1-[[5-(1,1-dimethylpropyl)-2-hydroxy-3-nitrophenyl]azo]-2-naphthalenolato(2-)]-chromate(1-); tert-alkyl(C12-C14) ammonium [[1-[(2-hydroxy-4-nitrophenyl)azo]-2-naphthalenolato(2-)]-[1-[(2-hydroxy-5-nitrophenyl)azo]-2-naphthalenolato(2-)]-chromate(1-); tert-alkyl(C12-C14) ammonium [1-[[5-dimethylpropyl]-2-hydroxy-3-nitrophenyl]azo]-2-naphthalenolato(2-)]-[1-[(2-hydroxy-5-nitrophenyl)azo]-2-naphthalenolato(2-)]-chromate(1-); tert-alkyl(12-C14) ammonium ((1-(4-nitro-2-oxidophenylazo)-2-naphthalolato)(1-(3-nitro-2-oxido-5-(1,1-dimethylpropyl)phenylazo)-2-naphthalolato)) chromate(1-)*

1-Naphthol (H332-302-317-400)	1 - 2 %	CAS-Nr: 135-19-3 EINECS-Nr: 205-182-7 EC-Nr: 604-007-00-5
Metal complex dyes (Repr. 1B, H360D); REACH Reg. No. 01-2120081123-67-0000	> 90 %	CAS-Nr: 117527-94-3 EINECS-Nr: EC-Nr: 611-044-00-0

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*Additional information:*

## 4. First Aid Measures

### 4.1. Description of the First Aid Measures

*General information:*

*Remove contaminated clothes.*

next page: 3

# Safety Data Sheet

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



## 94413 Solvent Black 29

Page 3

Revised edition: 28.11.2018

Version: 8.0

Printed: 11.01.2021

---

*Stable side position in case of unconsciousness.*

*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.*

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## 5. Fire-Fighting Measures

### 5.1. Extinguishing Media

*Suitable extinguishing media:*

*Extinguishing powder, foam.*

*Unsuitable extinguishing media:*

*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

next page: 4

# Safety Data Sheet

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



## 94413 Solvent Black 29

Page 4

Revised edition: 28.11.2018

Version: 8.0

Printed: 11.01.2021

---

### *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.*

#### *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:*

*6.1 C; Combustible, acute toxic cat. 3 / toxic products (TRGS 510)*

#### *Further Information:*

### 7.3. Specific End Use(s)

#### *Further information:*

*No information available.*

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## 8. Exposure Controls/Personal Protection

### 8.1. Parameters to be Controlled

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

*none known*

#### *Parameters to be controlled:*

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

*0.94 mg/m<sup>3</sup> (worker, inhalation, long-term exposure - systemic effects)*

*0.13 mg/kg (worker, skin contact, long-term exposure - systemic effects)*

next page: 5

# Safety Data Sheet

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



## 94413 Solvent Black 29

Page 5

Revised edition: 28.11.2018

Version: 8.0

Printed: 11.01.2021

effects)  
*0.23 mg/m<sup>3</sup> (consumer, inhalation, long-term exposure - systemic effects)*  
*0.07 mg/kg (consumer, skin contact/swallowing, long-term exposure - systemic effects)*

*Predicted No-Effect Concentration (PNEC):*

*Fresh water: 0.1 mg/l*  
*Seawater: 0.01 mg/l*  
*Fresh water sediment: 0.54 mg/kg*  
*Seawater sediment: 0.054 mg/l*  
*Sewage treatment system (STP): 1 mg/l*  
*Soil: 0.049 mg/kg*  
*Sporadic release: 1 mg/l*  
*Oral (secondary poisoning): none*

*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:*

*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.*

### 9. Physical and Chemical Properties

next page: 6

# Safety Data Sheet

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



## 94413 Solvent Black 29

Page 6

Revised edition: 28.11.2018

Version: 8.0

Printed: 11.01.2021

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

<i>Form:</i>	<i>powder</i>
<i>Color:</i>	<i>black</i>
<i>Odor:</i>	<i>product specific</i>
<i>Odor threshold:</i>	<i>No information available.</i>
<i>pH-Value:</i>	<i>6.5 (suspension)</i>
<i>Melting temperature:</i>	<i>not applicable</i>
<i>Boiling temperature:</i>	<i>not determined</i>
<i>Flash point:</i>	<i>not applicable</i>
<i>Evaporation rate:</i>	<i>not applicable</i>
<i>Flammability (solid, gas):</i>	<i>360°C</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>1.5 Pa (25°C)</i>
<i>Vapor density:</i>	<i>No information available.</i>
<i>Density:</i>	<i>1.27 g/cm<sup>3</sup> (20.5°C, 1013 hPa)</i>
<i>Solubility in water:</i>	<i>&lt; 5 mg/l</i>
<i>Coefficient of variation (n-Octanol/Water):</i>	<i>&lt; 3.7 logKOW (20°C; OECD 117)</i>
<i>Auto-ignition temperature:</i>	<i>210°C (1013 hPa)</i> <i>Product is not auto-ignitable.</i>
<i>Decomposition temperature:</i>	<i>ca. 200°C, 750 J/g</i> <i>(DSC (DIN 51007))</i> <i>Not a substance liable to self-decomposition according to UN transport regulations, class 4.1</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>230 - 420 kg/m<sup>3</sup></i>

next page: 7

# Safety Data Sheet

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



## 94413 Solvent Black 29

Page 7

Revised edition: 28.11.2018

Version: 8.0

Printed: 11.01.2021

---

### 9.2. Further Information

*Solubility in solvents:*

*Viscosity, kinematic:*

*Burning class:*

*Solvent content:*

*Solid content:*

*Particle size:* 17.6  $\mu\text{m}$

*Other information:*

*Surface tension: 71.7 mN/m (20.4°C)*

*Decomposition point: > 200°C (1013 hPa). Decays without melting.*

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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

*Risk of dust explosion.*

#### 10.4. Conditions to Avoid

*Conditions to avoid:*

*Avoid formation of dust.*

*Avoid ignition sources.*

*Avoid humidity.*

*Thermal decomposition:*

*approx. 200°C, 750 kJ/g (DDK (DIN 51007))*

#### 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 Toxicological Effects

*Acute Toxicity*

*LD50, oral:* > 5000 mg/kg (rat; OECD 401)

*LD50, dermal:* > 2000 mg/kg (rat; OECD 402)

*LC50, inhalation:* > 5.9 mg/l (4h; rat)

*Primary effects*

*Irritant effect on skin:*

*Non irritating (rabbit; OECD 404)*

*Irritant effect on eyes:*

next page: 8

# Safety Data Sheet

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



## 94413 Solvent Black 29

Page 8

Revised edition: 28.11.2018

Version: 8.0

Printed: 11.01.2021

---

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

*Inhalation:*

*No information available.*

*Ingestion:*

*No information available*

*Sensitization:*

*Non sensitizing (guinea pig; OECD 406).*

*Mutagenicity:*

*Product shows a mutagenic effect in a test with bacteria.  
Tests with bacteria or mammal cell cultures did not show any  
mutagenic effects.*

*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: can damage the blood cells after repeated or  
prolonged exposure.*

*Additional toxicological information:*

*Aspiration hazard: not applicable*

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## 12. Ecological Information

### 12.1. Aquatic Toxicity

*Not hazardous for aqueous organisms. No toxic effects.*

*Fish toxicity:*

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

*Daphnia toxicity:*

*EC50: > 1000 mg/l (24h, Daphnia magna; OECD 202)*

*Bacteria toxicity:*

*NOEC: > 100 mg/l (3h, active sludge; OECD 209)*

*Algae toxicity:*

*EC50: > 100 mg/l (72h, Desmodesmus subspicatus; OECD 201)  
NOEC: > 100 mg/l (72h, Desmodesmus subspicatus; OECD 201)*

### 12.2. Persistency and Degradability

*Not readily biodegradable.*

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

*3.5 % (28d); not readily biodegradable (OECD 301B)*

### 12.3. Bioaccumulation

*No bioaccumulation expected due to the distribution coefficient n-  
next page: 9*



# Safety Data Sheet

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



## 94413 Solvent Black 29

Page 9

Revised edition: 28.11.2018

Version: 8.0

Printed: 11.01.2021

---

*Octanol/water (logPOW).*

### 12. 4. Mobility

*Adsorption to solid soil phase is not expected.*

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

*Behaviour in sewage systems:*

*Further ecological effects:*

*The product contains chromium bound as a complex.*

*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.:*

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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:*

next page: 10

# Safety Data Sheet

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



## 94413 Solvent Black 29

Page 10

Revised edition: 28.11.2018

Version: 8.0

Printed: 11.01.2021

---

*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

*Not classified as environmentally hazardous.*

### 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 evaluated*

### 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:*

*EC. REACH, Section XVII, Restrictions on the Manufacture, Placing on the Market and Use of Certain Dangerous Substances, Preparations and Articles, Registered no. 28.*

*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

*Regulation (EC) 1005/2009 - Substances that Deplete the Ozone Layer: 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*

next page: 11

# Safety Data Sheet

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



## 94413 Solvent Black 29

Page 11

Revised edition: 28.11.2018

Version: 8.0

Printed: 11.01.2021

---

*therefore not be construed as guaranteeing specific properties.*