

# Safety Data Sheet

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



## 47430 Spinel Black No. 43

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Revised edition: 10.12.2018

Version: 2

Printed: 21.03.2023

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

#### 1.1. Product Identifier

*Product Name:* Spinel Black No. 43

*Article No.:* 47430

*UFI:*

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

*Identified uses:*

*Pigment in artists colors.*

*Industrial application*

*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](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:

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### 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:*

#### 2.2. Label Elements

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

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

*Hazard designation:*

*Not applicable.*

*Signal word:*

*Hazard designation:*

*Safety designation:*

*Hazardous components for labelling:*

#### 2.3. Other Hazards

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### Composition/Information on Ingredients

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### 3.

#### 3.1. Substance

#### 3.2. Mixture

*Chemical Characterization:* Pigment Black 30, C.I. 77504  
Nickel iron chromite black spinel; (Ni,Fe)(Fe,Cr)2O4

*Information on Components / Hazardous Ingredients:*

Pigment Black 30, C.I. 77504; REACH Reg. No. 01-2119965159-25-xxxx	100 %	CAS-Nr: 71631-15-7 EINECS-Nr: 275-738-1 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.  
First aiders: mind self-protection!

*After inhalation:*

Supply fresh air and seek medical advice in case of complaints.

*After skin contact:*

Remove contaminated clothing. Wash off immediately with plenty of water and soap.

*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:*

None known.

*Effects:*

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

*Treatment:*

If vomiting occurs after ingestion, aspiration into the lungs can occur which can cause a chemical pneumonia or suffocation.

### 5. Fire-Fighting Measures

#### 5.1. Extinguishing Media

*Suitable extinguishing media:*

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

*Unsuitable extinguishing media:*

None known.

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### 5.2. Special Hazards arising from the Substance or Mixture

*Special hazards:*

*No special hazards.*

### 5.3. Advice for Firefighters

*Protective equipment:*

*Wear self-contained respiratory protective device.*

*Further information:*

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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:*

*Take up mechanically.*

*Clean contaminated floors and objects thoroughly.*

### 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:*

*Avoid formation of dust.*

*Hygienic measures:*

*Wash hands at the end of work. Preventive skin protection recommended.*

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

*Storage conditions:*

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

*Do not store together with food stuff and animal feed.*

*Requirements for storage areas and containers:*

*Store product in closed containers.*

*Information on fire and explosion protection:*

*No special measures necessary.*

*Storage class:*

*Further Information:*

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### 7.3. Specific End Use(s)

*Further information:*

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## 8. Exposure Controls/Personal Protection

### 8.1. Parameters to be Controlled

*Parameters to be controlled (DE):*

TRGS 900

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

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

*Parameters to be controlled:*

*Derived No-Effect Level (DNEL):*

*Predicted No-Effect Concentration (PNEC):*

*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.*

*Wash hands before breaks and after work.*

*Respiratory protection:*

*If exposure limit is exceeded: dust mask (particle filter DIN- EN 136, 140, 149) .*

*Hand protection:*

*Protective gloves (EN 374)*

*Protective glove material:*

*Neoprene*

*Eye protection:*

*Safety glasses with protective shields (EN 166).*

*Body protection:*

*Protective clothing.*

*Environmental precautions:*

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## 9. Physical and Chemical Properties

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

*Form:* solid

*Color:* black

*Odor:* odorless

*Odor threshold:*

*no information available*

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*pH-Value:*

*Melting temperature:*

*not applicable*

*Boiling temperature:*

*not applicable*

*Flash point:*

*not applicable*

*Evaporation rate:*

*This product is a non-volatile solid.*

*Flammability (solid, gas):*

*not 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:*

*not determined*

*Solubility in water:*

*insoluble*

*Auto-ignition temperature:*

*not applicable*

*Decomposition temperature:*

*not applicable*

*Viscosity, dynamic:*

*not applicable*

*Explosive properties:*

*not applicable*

*Oxidizing properties:*

*no information available*

*Bulk density:*

### 9.2. Further Information

*Solubility in solvents:*

*Viscosity, kinematic:*

*Burning class:*

*Solvent content:*

*Solid content:*

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*Particle size:*

*Other information:*

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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

*None if handled and stored according to specifications.*

#### 10.4. Conditions to Avoid

*Conditions to avoid:*

*No information available.*

*Thermal decomposition:*

#### 10.5. Incompatible Materials

*None known.*

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

*Acute Toxicity*

*LD50, oral:*

*not tested*

*LD50, dermal:*

*not determined*

*LC50, inhalation:*

*not determined*

*Primary effects*

*Irritant effect on skin:*

*No information available*

*Irritant effect on eyes:*

*No information available.*

*Inhalation:*

*No information available.*

*Ingestion:*

*No information available*

*Sensitization:*

*No relevant data found.*

*Mutagenicity:*

*No relevant data found.*

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*Reproductive toxicity:*

*No relevant data found.*

*Carcinogenicity:*

*No relevant data found.*

*Teratogenicity:*

*No information available.*

*Specific target organ toxicity (STOT):*

*No relevant data found.*

*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

*Fish toxicity:*

*No data available.*

*Daphnia toxicity:*

*No information available.*

*Bacteria toxicity:*

*No data available.*

*Algae toxicity:*

*No information available.*

### 12.2. Persistency and Degradability

*No information available.*

### 12.3. Bioaccumulation

*No information available.*

### 12.4. Mobility

*No data available.*

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

*Not applicable.*

### 12.6. Endocrine Disrupting Properties

*No data available.*

### 12.7. Other Adverse Effects

*Water hazard class:*

*Not hazardous.*

*Behaviour in sewage systems:*

*Further ecological effects:*

*AOX Value:*

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## 13. Disposal Considerations

### 13.1. Waste Treatment Methods

*Product:*

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*Dispose of according to official national and local regulations.*

*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*

#### 14.2. UN Proper Shipping Name

*ADR/RID:*

*No hazardous goods according to ADR / DOT (US) (land transportation).*

*IMDG/IATA:*

*Not hazardous goods*

#### 14.3. Transport Hazard Classes

*ADR Class:*

*not applicable*

*Hazard no.:*

*Classification code:*

*Tunnel restriction code:*

*IMDG Class (sea):*

*not applicable*

*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.*

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

*not evaluated*

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### 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:*

*0, not hazardous (German Regulation)*

*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 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.*