

# Safety Data Sheet

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



## 94055 Nigrosine

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Version: 2

Printed: 10.02.2023

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

#### 1.1. Product Identifier

*Product Name:* Nigrosine

*Article No.:* 94055

*UFI:* --

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

*Identified uses:*

Laboratory and analytical uses  
Laboratory chemical

*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

*EMail:* 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

*No special hazards known.*

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### 3. Composition/Information on Ingredients

#### 3.1. Substance

#### 3.2. Mixture

*Chemical Characterization:* Solvent Black 5, C.I. 50415

*Information on Components / Hazardous Ingredients:*

Nigrosine (C.I. 50415)	100 %	CAS-Nr: 11099-03-9
		EINECS-Nr:
		EC-Nr:

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*Additional information:*

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### 4. First Aid Measures

#### 4.1. Description of the First Aid Measures

*General information:*

*Remove contaminated clothing.*

*After inhalation:*

*Supply fresh air. Consult physician if symptoms persist.*

*After skin contact:*

*Wash off with water.*

*After eye contact:*

*Rinse open eye for several minutes under running water. Should irritation continue, seek medical advice.*

*After ingestion:*

*Rinse mouth with water. Consult a physician in case of complaints.*

#### 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:*

*No special first-aid measures necessary.*

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### 5. Fire-Fighting Measures

#### 5.1. Extinguishing Media

*Suitable extinguishing media:*

*Use extinguishing media for surrounding fire.  
Foam, extinguishing powder, ABC-powder, water.*

*Unsuitable extinguishing media:*

*Water with full jet.*

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

*Special hazards:*

*Combustible.*

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*In case of fire: formation of carbon oxides, nitrogen oxides, hydrogen chloride (HCl).*

*Do not inhale explosion and smoke fumes and gases.*

### 5.3. Advice for Firefighters

*Protective equipment:*

*Wear self-contained respiratory protective device.*

*Further information:*

*Cool exposed containers with water spray.*

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## 6. Accidental Release Measures

### 6.1. Personal Precautions, Protective Equipment and Emergency Procedures

*Personal precautions:*

*Avoid formation of dust.*

### 6.2. Environmental Precautions

*Environmental precautions:*

*Prevent contamination of soils, drains and surface water.*

### 6.3. Methods and Material for Containment and Cleaning Up

*Methods and material:*

*Cover drains.*

*Take up mechanically and collect in suitable containers for disposal.*

### 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:*

*No special measures required.*

*Provide adequate ventilation.*

*Hygienic measures:*

*Keep away from foodstuffs and drinks.*

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

*Storage conditions:*

*Store in a cool and dry place.*

*Requirements for storage areas and containers:*

*Information on fire and explosion protection:*

*Storage class:*

*11; Combustible solids (TRGS 510)*

*Further Information:*

*Recommended storage temperature: 15 - 25°C*

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

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

Y: No teratogenic risk when the exposure limit values (ELV) and biological limit values (BLV) are adhered to.

*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/exhaust system.*

*Personal Protection*

*General protective measures:*

*Keep away from foodstuffs, beverages and feed.*

*Respiratory protection:*

*Dust mask recommended when very dusty (with particle filter P1).*

*Hand protection:*

*Chemical protective gloves (EN 374 (Europe), F739 (US)).*

*Protective glove material:*

*Nitrile rubber (> 480 min, 0.11 mm).*

*Eye protection:*

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

*Body protection:*

*Environmental precautions:*

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

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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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<i>pH-Value:</i>	<i>not applicable</i>
<i>Melting temperature:</i>	<i>not determined</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>Product is combustible, but not easily flammable.</i>
<i>Upper explosion limit:</i>	<i>not determined</i>
<i>Lower explosion limit:</i>	<i>not determined</i>
<i>Vapor pressure:</i>	<i>not determined</i>
<i>Vapor density:</i>	<i>No information available.</i>
<i>Density:</i>	<i>not determined</i>
<i>Solubility in water:</i>	<i>not determined</i>
<i>Coefficient of variation (n-Octanol/Water):</i>	<i>no information available</i>
<i>Auto-ignition temperature:</i>	<i>No information available.</i>
<i>Decomposition temperature:</i>	<i>not applicable</i>
<i>Viscosity, dynamic:</i>	<i>not applicable</i>
<i>Explosive properties:</i>	<i>not applicable</i>
<i>Oxidizing properties:</i>	<i>none</i>
<i>Bulk density:</i>	

### 9.2. Further Information

*Solubility in solvents:*  
*Soluble in alcohol*

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*Viscosity, kinematic:*

*Burning class:*

*Solvent content:*

*Solid content:*

*Particle size:*

*Other information:*

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### 10. Stability and Reactivity

#### 10.1. Reactivity

*Stable if used according to specifications.*

#### 10.2. Chemical Stability

*Stable if used according to specifications.*

#### 10.3. Possibility of Hazardous Reactions

*The product is not dust explosive when delivered. The accumulation of fine dust can however increase the risk of dust explosion.*

*Vigorous reactions with strong oxidants.*

#### 10.4. Conditions to Avoid

*Conditions to avoid:*

*Thermal decomposition:*

*No data available.*

#### 10.5. Incompatible Materials

*Strong oxidizing agents.*

#### 10.6. Hazardous Decomposition Products

*Hazardous combustion products: see section 5.*

#### 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

*Not classified as acute toxic.*

*Acute Toxicity*

*LD50, oral:*

*LD50, dermal:*

*LC50, inhalation:*

*Primary effects*

*Irritant effect on skin:*

*Shall not be classified as corrosive/irritant to skin.*

*Irritant effect on eyes:*

*Shall not be classified as seriously damaging or irritating to the eye.*

*Inhalation:*

*No information available.*

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### *Ingestion:*

*No information available*

### *Sensitization:*

*Shall not be classified as a respiratory or skin sensitizer.*

### *Mutagenicity:*

*Not classified as mutagenic.*

### *Reproductive toxicity:*

*Not classified as reproductive toxicant.*

### *Carcinogenicity:*

*Not classified as carcinogenic.*

### *Teratogenicity:*

*No relevant data found.*

### *Specific target organ toxicity (STOT):*

*Single exposure: the substance or mixture is not classified as specific target organ toxicant.*

*Repeated exposure: the substance or mixture is not classified as specific target organ toxicant.*

### *Aspiration hazard*

*No risk of aspiration.*

## 11.2. Information on other Hazards

*Endocrine Disrupting Properties: no information available.*

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## 12. Ecological Information

### 12.1. Aquatic Toxicity

*Not hazardous to the aquatic environment.*

#### *Fish toxicity:*

#### *Daphnia toxicity:*

#### *Bacteria toxicity:*

#### *Algae toxicity:*

### 12.2. Persistency and Degradability

*Theoretical oxygen demand with nitrification: 1.803 mg/mg*

*Theoretical oxygen demand (ThOC): 1.532 mg/mg*

*Theoretical carbon dioxide (ThCO<sub>2</sub>): 2.107 mg/mg*

### 12.3. Bioaccumulation

*No information available.*

### 12.4. Mobility

*No information available.*

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

*This product is neither a PBT or vPvB substance nor does it contain a PBT or vPvB substance.*

### 12.6. Endocrine Disrupting Properties

*Not listed.*

### 12.7. Other Adverse Effects

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*Water hazard class:*

*1 (German Regulation) (Assessment by list): slightly hazardous.  
Do not let product contaminate ground water, waterways or  
sewage system.*

*Behaviour in sewage systems:*

*Further ecological effects:*

*AOX Value:*

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### 13. Disposal Considerations

#### 13.1. Waste Treatment Methods

*Product:*

*Dispose of according to official national and local regulations.  
Do not let product enter water systems.*

*European Waste Code (EWC):*

*Uncleaned packaging:*

*Dispose of according to official local regulations.*

*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

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*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. Maritime Transport in Bulk according to IMO Instruments

*Not transported by sea in bulk.*

### 14.8. Further Information

*Not classified as a dangerous good under transport regulations.*

## 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 (German Regulation)*

*Local regulations on chemical accidents:*

*Seveso III Directive: not applicable under Directive 2012/18/EC.*

*Employment restrictions:*

*The employment restrictions for expectant and nursing mothers, and for young workers are to be observed.*

*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: not applicable*

*Technical instructions on air quality:*

*5.2.1. Total dust, including fine dust: > 25 wt-% (m >= 0.2 kg/h, conc. 20 mg/m<sup>3</sup>)*

### 15.2. Chemical Safety Assessment

*A Chemical Safety Assessment has not been carried out for this product.*

### 15.3. Further Information

*RoHS Directive 2011/65/EC on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHs): not listed.*

*Regulation (EU) No. 2019/1148, Annex I - Restricted Explosives Precursors (upper limit value for the purpose of licensing under Article 5(3)): None of the ingredients is listed.*

*Regulation (EC) 273/2004, On Drug Precursors, Category 3: None of the ingredients is listed.*

*Regulation (EC) 2037/2000 - Substances that Deplete the Ozone Layer: not regulated / not applicable*

*Regulation (EC) 649/2012 concerning the export and import of dangerous chemicals: Not applicable*

*Regulation (EC) 850/2004 - Persistent Organic Pollutants and amending Directive 79/117/EEC: not regulated / not applicable*

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*VOC Content (w/w): 0 %*

*Decopaint Directive (2004/42/EC):*

*VOC Content: 0 %*

*Listed in the following inventories:*

*TSCA (US), AICS (AUS), DSL (CA), ENCS (JP), KECI (KR),  
PICCS (PH), NZIoC (NZ), IECSC (CN), TSCI (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.*