

# Safety Data Sheet

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



## 94160 Indigotine Blue

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Revised edition: 12.06.2023

Version: 3.0

Printed: 25.09.2023

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

#### 1.1. Product Identifier

*Product Name:* Indigotine Blue

*Article No.:* 94160

*UFI:* --

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

*Identified uses:*  
Pharmaceutical industry

*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

*Skin sensitization, hazard category 1*

May cause an allergic skin reaction.

*Possible Environmental Effects:*

#### 2.2. Label Elements

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

*This product is classified and labelled according to CLP/GHS regulations.*

*Hazard designation:*



GHS07-1

*Signal word:*

Warning

*Hazard designation:*

May cause an allergic skin reaction.

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### Safety designation:

P261	Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.
P280	Wear protective gloves/ clothing/ eye/ face protection.
P333+P313	If skin irritation or rash occurs: Get medical attention.
P362+P364	Take off contaminated clothing and wash before reuse.

### Hazardous components for labelling:

#### 2.3. Other Hazards

### 3. Composition/Information on Ingredients

#### 3.1. Substance

#### 3.2. Mixture

Chemical Characterization: Acid Blue 74, C.I. 73015. Formula:  $C_{16}H_8N_2Na_2O_8S_2$

### Information on Components / Hazardous Ingredients:

Disodium 5,5 -(2-(1,3-dihydro-3-oxo-2H-indazol-2-ylidene)-1,2-dihydro-3H-indol-3-one)disulphonate	75-100 %	CAS-Nr: 860-22-0 EINECS-Nr: 212-728-8 EC-Nr:
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### Additional information:

#### 4. First Aid Measures

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

###### General information:

Seek medical attention in case of complaints.

###### After inhalation:

Supply fresh air and keep patient calm.

###### After skin contact:

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

Wash contaminated clothing before reuse.

In case of skin irritation consult physician.

###### After eye contact:

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

Remove contact lens.

Seek medical attention if irritation persists.

###### After ingestion:

Rinse mouth with water and drink plenty of water.

Never give anything by mouth to an unconscious person.

Do not induce vomiting without medical advice.

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

###### Symptoms:

No further information available.

Can cause allergic reactions.

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*Effects:*

*No further information available.*

**4. 3. Indication of any Immediate Medical Attention and special Treatment needed**

*Treatment:*

*No information available.*

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**5. Fire-Fighting Measures**

**5. 1. Extinguishing Media**

*Suitable extinguishing media:*

*Foam, extinguishing powder, water spray jet.*

*Unsuitable extinguishing media:*

**5. 2. Special Hazards arising from the Substance or Mixture**

*Special hazards:*

*In case of fire: formation of carbon and nitrogen oxides, sulfur oxides, toxic gases.*

*Dust dispersed in air becomes explosive when exposed to ignition sources.*

**5. 3. Advice for Firefighters**

*Protective equipment:*

*Wear suitable protective clothing.*

*Wear self-contained respiratory protective device.*

*Further information:*

*Contaminated extinguishing water and debris should be disposed of according to local regulations.*

*Prevent fire extinguishing water from contaminating surface water or the ground water system.*

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**6. Accidental Release Measures**

**6. 1. Personal Precautions, Protective Equipment and Emergency Procedures**

*Personal precautions:*

*Wear protective clothing.*

*Ensure adequate ventilation.*

*Avoid formation of dust.*

*Avoid contact with eyes and skin.*

**6. 2. Environmental Precautions**

*Environmental precautions:*

*Prevent contamination of soil, drains and surface waters.*

**6. 3. Methods and Material for Containment and Cleaning Up**

*Methods and material:*

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

*Clean up with water.*

**6. 4. Reference to other Sections**

*Protective clothing, see Section 8.*

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### 7. Handling and Storage

#### 7.1. Precautions for Safe Handling

*Instructions on safe handling:*

*The usual precautionary measures are to be adhered to when handling chemicals.*

*Provide adequate ventilation.*

*Hygienic measures:*

*Do not eat or drink during work. Do not smoke.*

*Remove contaminated clothing before entering dining areas.*

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

*Storage conditions:*

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

*Protect product from direct sunlight.*

*Requirements for storage areas and containers:*

*Close open containers with care and store in an upright position to avoid spilling.*

*Storage: in containers which comply with the original container.*

*Information on fire and explosion protection:*

*Keep away from sources of heat and ignition - do not smoke.*

*Dust may form an explosive mixture with air.*

*Do not store together with: oxidants, reducing agents.*

*Storage class:*

*11; Combustible solids (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):*

*No occupational exposure limits known.*

*Parameters to be controlled:*

*Derived No-Effect Level (DNEL):*

*No values available.*

*Predicted No-Effect Concentration (PNEC):*

*No values available.*

*Additional Information:*

#### 8.2. Exposure Controls

*Technical protective measures:*

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*Provide adequate ventilation/exhaust system.*

### *Personal Protection*

#### *General protective measures:*

*The usual precautionary measures are to be adhered to when handling chemicals.*

*Do not inhale dust. Do not eat, drink or smoke while working. Wash hands before breaks and at the end of work.*

#### *Respiratory protection:*

*Respiratory equipment required in case of insufficient ventilation, filter type P2.*

*In case of formation of dust/vapor. Particle filter Type P1, EN 143 (solid particles of inert substances).*

#### *Hand protection:*

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

#### *Protective glove material:*

*Nitrile rubber (NBR)*

*Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material and dexterity. Always seek advice from glove suppliers.*

#### *Eye protection:*

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

#### *Body protection:*

*Protective clothing, chemical resistant.*

#### *Environmental precautions:*

*Do not allow entering sewerage system.*

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## **9. Physical and Chemical Properties**

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

<i>Form:</i>	<i>powder</i>
<i>Color:</i>	<i>dark blue</i>
<i>Odor:</i>	<i>odorless</i>
<i>Odor threshold:</i>	<i>no information available</i>
<i>pH-Value:</i>	<i>5 - 9</i>
<i>Melting temperature:</i>	<i>not known</i>
<i>Boiling temperature:</i>	<i>not available</i>
<i>Flash point:</i>	<i>not applicable</i>
<i>Evaporation rate:</i>	<i>No information available.</i>
<i>Flammability (solid, gas):</i>	

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*not available*

*Upper explosion limit:*

*no information available*

*Lower explosion limit:*

*no information available*

*Vapor pressure:*

*not determined*

*Vapor density:*

*No information available.*

*Density:*

*not applicable*

*Solubility in water:*

*soluble*

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

*no information available*

*Auto-ignition temperature:*

*No information available.*

*Decomposition temperature:*

*No data available.*

*Viscosity, dynamic:*

*not available*

*Explosive properties:*

*Product is not explosive; however, an explosive dust/air mixture can be formed.*

*Oxidizing properties:*

*no information available*

*Bulk density:*

*not determined*

### 9.2. Further Information

*Solubility in solvents:*

*Viscosity, kinematic:*

*< 14 (40°C)*

*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.*

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### 10.2. Chemical Stability

*Stable if used according to specifications.*

### 10.3. Possibility of Hazardous Reactions

*No information available.*

### 10.4. Conditions to Avoid

*Conditions to avoid:*

*Avoid formation of dust.*

*Thermal decomposition:*

*No further information available.*

### 10.5. Incompatible Materials

*None known.*

### 10.6. Hazardous Decomposition Products

*None known.*

### 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: > 2000 mg/kg*

*LD50, dermal:*

*No information available.*

*LC50, inhalation:*

*No information available.*

*Primary effects*

*Irritant effect on skin:*

*No irritant effect known.*

*Irritant effect on eyes:*

*No irritant effect known.*

*Inhalation:*

*No irritant effect known.*

*Ingestion:*

*No information available*

*Sensitization:*

*May cause sensitization by skin contact.*

*Mutagenicity:*

*No relevant data found.*

*Reproductive toxicity:*

*No relevant data found.*

*Carcinogenicity:*

*No relevant data found.*

*Teratogenicity:*

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*No information available.*

*Specific target organ toxicity (STOT):*

*No relevant data found.*

*Aspiration hazard:*

*Not applicable*

### 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:*

*EC50: 2383.851 mg/l (48h, Daphina Magna; QSAR)*

*Bacteria toxicity:*

*no information available*

*Algae toxicity:*

*ErC50:: 2.079 mg/l (algae; OECD 201)*

### 12.2. Persistency and Degradability

*Readily biodegradable.*

### 12.3. Bioaccumulation

*No information available.*

### 12.4. Mobility

*No information available.*

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

*This mixture does not comply with the criteria for the classification as PBT or vPvB, according to Annex VIII of Regulation (EC) No. 1907/2006 (REACH).*

### 12.6. Endocrine Disrupting Properties

*No data available.*

### 12.7. Other Adverse Effects

*Water hazard class:*

*1, slightly hazardous*

*Behaviour in sewage systems:*

*Further ecological effects:*

*Do not discharge product uncontrolled into the environment.*

*AOX Value:*

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## 13. Disposal Considerations

### 13.1. Waste Treatment Methods

*Product:*

*Reuse, when possible.*

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

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*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

*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 applicable*

#### 14.8. Further Information

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### 15. Regulatory Information

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### 15.1. Safety, Health and Environmental Regulations/Legislation specific for the Substance or Mixture

*Water hazard class:*

*1, slightly hazardous for water (German Regulation, Assessment by list)*

*Local regulations on chemical accidents:*

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

*Employment restrictions:*

*The employment restrictions for young workers in accordance with the Youth Employment Protection Law (§ 22 JArbSchG) are to be observed.*

*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.*

*EC SVHC-List: This product does not contain a substance in the candidate list for substances of very high concern above the legal limit value (> 0.1 % (w/w) REACH Regulation (EC) 1907/2006, Article 57).*

### 15.3. Further Information

*EC. REACH, Annex XIV, Candidate List of Substances of very High Concern (SVHC): not regulated / not applicable*

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

*Regulation (EC) 1005/2009 - Substances that Deplete the Ozone Layer: not regulated / not applicable*

*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 on Persistent Organic Polutants (POP): not listed*

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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.*