

## **MATERIAL SAFETY DATA SHEET**

### **NIGROSINE** **(For Microscopy) (Spirit Soluble)** **MSDS CAS: 11099-03-9**

#### **Section 1: Chemical Product and Company Identification**

##### **Section 1: Chemical Product**

**Product Name:** NIGROSINE (Alcohol Soluble)

**CAS#:** 11099-03-9

**C. I. No.:** 50415

**Synonym:** Solvent Black 5

**Chemical Name:** NIGROSINE (Alcohol Soluble)

**Chemical Formula:** Not Available.

**Brand:** OXFORD

##### **Details Of The Supplier Of The Safety Data Sheet :**

**Company identification:**      **OXFORD LAB FINE CHEM LLP**  
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#### **Section 2: Composition and Information on Ingredients**

**Substances Synonyms**

**CAS-No. :** Solvent Black 5 : 11099-03-9

**No components need to be disclosed according to the applicable regulations.**

## Section 3: Hazards Identification

### Classification of the substance or mixture

**Classification EC 67/548 or EC 1999/45**

**Classification:** Xn; 48/20/21/22

**Hazard Class and Category Code(s), Regulation (EC) No 1272/2008 (CLP)**

**Health hazards:** Specific Target Organ Toxicity - Repeated exposure - Category 2 - Warning (CLP : STOT RE 2) H373

**Other hazards:** The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

## Section 4: First Aid Measures

### Description of first aid measures:

**Inhalation:** Assure fresh air breathing. Allow the victim to rest.

**Skin contact:** Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.

**Eye contact:** Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist

**Ingestion:** Obtain emergency medical attention. Do NOT induce vomiting. Rinse mouth.

### Most important symptoms and effects, both acute and delayed

**Symptoms relating to use:** Causes damage to organ.

### Indication of any immediate medical attention and special treatment needed.

**General information:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

## Section 5: Fire and Explosion Data

### Extinguishing media:

**Suitable extinguishing media** : Foam. Dry powder. Carbon dioxide. Water spray. Sand.

**Unsuitable extinguishing media** : Do not use a heavy water stream.

**Surrounding fires** : Use water spray or fog for cooling exposed containers.

## Section 5: Fire and Explosion Data (Continued)

**Special hazards arising from the substance or mixture:**

Hazardous combustion products: Under fire conditions, hazardous fumes will be present.

**Advice for fire-fighters:**

**Protection against fire:** Do not enter fire area without proper protective equipment, including respiratory protection.

**Special procedures:** Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.

## Section 6: Accidental Release Measures

**Personal precautions, protective equipment and emergency procedures:**

**For emergency responders:** Equip cleanup crew with proper protection. Ventilate area. Avoid breathing dust, fume, gas, mist, vapours, spray.

**For non-emergency personnel:** Evacuate unnecessary personnel.

**Environmental precautions:**

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

**Methods and material for containment and cleaning up:**

**Clean up methods:** On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials.

## Section 7: Handling and Storage

**Precautions:**

Wash thoroughly after handling. Wash thoroughly after handling. Provide good ventilation in process area to prevent formation of vapour.

**Storage:** Keep only in the original container in a cool, well ventilated place. Keep container closed when not in use.

**Storage - away from:** Strong bases. Strong acids. Sources of ignition. Direct sunlight.

## Section 8: Exposure Controls/Personal Protection

### Exposure controls:

**Personal protection:** Avoid all unnecessary exposure.

- **Respiratory protection:** Wear approved mask.
- **Hand protection:** Wear protective gloves.
- **Skin protection:** Wear suitable protective clothing.
- **Eye protection:** Chemical goggles or safety glasses.
- **Others:** When using, do not eat, drink or smoke.

### Control parameters:

**Occupational Exposure Limits:** No data available.

## Section 9: Physical and Chemical Properties

**Physical state and appearance:** Solid.

<b>Odor</b>	: Odorless.
<b>Taste</b>	: Not available.
<b>Molecular Weight</b>	: Not available.
<b>Color</b>	: Black.
<b>pH (1% soln/water)</b>	: 8 - 9.5 at 20 °C
<b>Boiling Point</b>	: Not available.
<b>Melting Point</b>	: >275 °C.
<b>Critical Temperature</b>	: Not available.
<b>Specific Gravity</b>	: Not available.
<b>Vapor Pressure</b>	: Not applicable.
<b>Vapor Density</b>	: Not available.
<b>Volatility</b>	: Not available.
<b>Odor Threshold</b>	: Not available.
<b>Water/Oil Dist. Coeff.</b>	: Not available.
<b>Ionicity (in Water)</b>	: Not available.
<b>Dispersion Properties</b>	: Not available.
<b>Solubility</b>	: Water: Slightly soluble in water

## Section 10: Stability and Reactivity Data

**Stability:** The product is stable.

**Instability Temperature:** Not available.

**Conditions to avoid:** Direct sunlight. Extremely high or low temperatures.

**Incompatibility with various substances:** Materials to avoid: Strong acids. Strong bases.

**Corrosivity:** Not available.

**Special Remarks on Reactivity:** Not available.

**Special Remarks on Corrosivity:** Not available.

**Polymerization:** No.

**Hazardous decomposition products:** Fumes. Carbon monoxide. Carbon dioxide.

## Section 11: Toxicological Information

**Acute toxicity:**

- **Inhalation:** Based on available data, the classification criteria are not met.
- **Dermal:** Based on available data, the classification criteria are not met.
- **Ingestion:** Based on available data, the classification criteria are not met.

**Corrosion:** Based on available data, the classification criteria are not met.

**Irritation:** Based on available data, the classification criteria are not met.

**Sensitization:** Based on available data, the classification criteria are not met.

**Mutagenicity:** Based on available data, the classification criteria are not met.

**Carcinogenicity:** Based on available data, the classification criteria are not met.

**Toxic for reproduction:** Based on available data, the classification criteria are not met.

**STOT-single exposure:** Based on available data, the classification criteria are not met.

**STOT-repeated exposure:** May cause damage to organs through prolonged or repeated exposure.

**Aspiration hazard:** Based on available data, the classification criteria are not met.

## Section 12: Ecological Information

**Toxicity information:**

The product has been not fully tested. The calculated risk has been done under the requirements of the EU regulations.

**BOD5 and COD:** Not available.

**Persistence - degradability:** Biodegradable.

**Bioaccumulative potential:** Not established.

**Toxicity of the Products of Biodegradation:** Not available.

**Special Remarks on the Products of Biodegradation:** Not available.

**Results of PBT and vPvB assessment:**

The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

**Environmental precautions:** Avoid release to the environment.

## Section 13: Disposal Considerations

**Waste Disposal:** Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations. Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

## Section 14: Transport Information

**Land transport (ADR-RID)**

**General information:** Not regulated.

**Sea transport (IMDG) [English only]**

**General information:** Not regulated.

## Section 14: Transport Information (Continued)

### Air transport (ICAO-IATA) [English only]

**General information:** Not regulated

## Section 15: Other Regulatory Information

**Safety, health and environmental regulations/legislation specific for the substance or mixture:**  
Ensure all national/local regulations are observed.

**REACH Restrictions - Annex XVII:** The components of this product are not subject to restrictions.

**REACH Authorisation - Annex XIV:** The components of this product are not subject to authorization.

### Chemical Safety Assessment:

**Chemical Safety Assessment** : It has not been carried out.

## Section 16 - Additional Information

**References:** Not available.

**Other Special Considerations:** Not available.

### ***Disclaimer:***

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