

# **Safety Data Sheet**

*According to EC Directive 91/155/EEC*

## **1. Identification of the substance / preparation and of the company / undertaking**

**Identification of the product:** Orseillin-Aniline Blue

**Product name:** Orseillin-Aniline Blue

**Company / undertaking identification:**

**Company:**

**Emergency telephone No.:**

**Telefax:**

## **2. Composition / information on ingredients**

**Chemical characterization:** aqueous solution

**Formula Hill:**

**Symbol:**

**R-phrases:**

**S-phrases:**

**For Croceinscarlet is:**

**CAS-number:** 6226-76-2

**Content:** < 1%

**For Aniline blue is:**

**CAS-number:** 28631-66-5

**Content:** > 45 %

## **3. Hazards identification**

No hazardous product as specified in Directive 67/548/EEC.

## **4. First aid measures**

**After inhalation:** fresh air. Call in physician, if necessary.

**After skin contact:** wash off with plenty of water. Remove contaminated clothing.

**After eye contact:** rinse out with plenty of water with the eyelid held wide open. If necessary, call in ophthalmologist.

**After swallowing:** immediately make victim drink water (two glasses at the most). Call in physician if feeling unwell.

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## **5. Fire-fighting measures**

**Suitable extinguishing media:** In adaption to materials stored in the immediate neighbourhood.

**Special risks:** Not Combustible. Development of hazardous combustion gases or vapours possible in the event of fire.

**Special protective equipment for fire fighting:** Do not stay in dangerous zone without self-contained breathing apparatus.

**Other information:** Prevent fire-fighting water from entering surface water or groundwater.

## **6. Accidental release measures**

**Procedures for cleaning / absorption:** Take up with liquid-absorbent material. Forward for disposal. Clean up affected area.

**Person-related precautionary measures:** Do not inhale vapours / aerosols. Ensure supply of fresh air in enclosed rooms.

**Environmental-protection measures:** Do not allow to enter sewerage system.

## **7. Handling and storage**

**Handling:** No special requirements.

**Storage:** Tightly closed in a well-ventilated place. Storage temperature: 15 to 25°C.

## **8. Exposure controls / personal protection**

**Specific control parameter:**

**Personal protective equipment:**

Respiratory protection: required when vapours / aerosols are generated.

Eye protection: required

Hand protection:

Glove material: nitrile rubber

Layer thickness: 0.11 mm

Breakthrough time: > 480 Min.

The protective gloves to be used must comply with the specifications of EC directive 89/676/EEC and the resultant standard EN374. The breakthrough times stated above were determined by KCL in laboratory tests acc. to EN374 with samples of the recommended glove types.

Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

Industrial hygiene: Change contaminated clothing. Application of skin- protective barrier cream recommended. Wash hands after working with substance.

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## **9. Physical and chemical properties**

<b>Form:</b>	liquid	
<b>Colour:</b>	brown-violet	
<b>Odour:</b>	no odour	
<b>pH value:</b>		not available
<b>Melting point:</b>		not available
<b>Boiling point:</b>		not available
<b>Ignition temperature:</b>		not available
<b>Flash point:</b>		not available
<b>Explosion limits</b>	<b>lower:</b>	not available
	<b>upper:</b>	not available
<b>Density:</b>	(20°C)	not available
<b>Solubility in water:</b>	(20°C)	soluble

## **10. Stability and reactivity**

<b>Conditions to be avoided:</b>	Heating.
<b>Substances to be avoided:</b>	Strong oxidizing agents,
<b>Hazardous decomposition products:</b>	In the event of fire: See chapter 5.
<b>Further information:</b>	

## **11. Toxicological information**

### ***Acute toxicity:***

Quantitative data on the acute toxicity of this product are not available.

### ***Further toxicological information***

After inhalation of vapours:	Irritations on respiratory tract, lungs, mucosal membranes.
After skin contact:	Irritations.
After eye contact:	Irritations.
After swallowing:	Irritation of mucosa

### ***Further data***

The products should be handled with the care usual when dealing with chemicals.

## **12. Ecological information**

<b>Ecotoxic effects:</b>	Quantitative data on the ecological effect of this product are not available.
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<b>Further ecologic data:</b>	Do not allow to enter waters, waste water, or soil!
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## **13. Disposal considerations**

### **Product:**

Chemicals must be disposed of in compliance with the respective national regulations. Under [www.retrologistik.de](http://www.retrologistik.de) you will find country- and substance-specific information as well as contact partners.

### **Packaging:**

Packaging must be disposed of in compliance with the country-specific regulations or must be passed to a packaging return system. Under [www.retrologistik.de](http://www.retrologistik.de) you will find special information on the respective national conditions as well as contact partners.

## **14. Transport information**

Not subject to transport regulations.

The transport regulations are cited according to international regulations and in the form applicable in Germany. Possible national deviations in other countries are not considered.

## **15. Regulatory information**

### ***Labelling according to EC Directives:***

**Symbol:** ---

**R-phrases:** ---

**S-phrases:** ---

### **German regulations:**

**Storage class VCI:** 10-13

**Water pollution class:** nps (non polluting substance) VwVwS Anh. 2 KennNr. 96

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

## **16. Other information**

*Reason for alteration*

General update.

update: March, 2013