

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

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

10. Stability and reactivity

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

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

Ecotoxic effects:	Quantitative data on the ecological effect of this product are not available.
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Further ecologic data:	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 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 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