

MATERIAL SAFETY DATA SHEET

Date Updated: 1/JAN/2007

Version 1.1

According to 91/155/EEC

1 Product and Company Information

Product Name: Instant Blue
Supplier: C.B.S. Scientific Company
Manufacturer: Novexin Ltd, Babraham Hall, Cambridge, CB2 4AT, UK
Technical Phone: (858) 755-4959 X106
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2 Composition/Information on ingredients

Preparation

Ingredient Name	CAS No	%	EC Number	Symbol	R-Phrases
Solubilisers		<5			
Coomassie Brilliant Blue		<0.05			
Phosphoric Acid	7664-38-2	<10	231-633-2	C	34
Ethanol	64-17-5	<20	200-57-86	F	11

3 Hazards identification

Special indication of hazards to humans and the environment.
Causes burns

4 First Aid Measures

After inhalation In case of inhalation, supply fresh air. If breathing becomes difficult give oxygen and consult a physician.

After skin contact In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes.

After eye contact Rinse opened eye for at least 15 minutes with copious amounts of water. Assure adequate flushing by separating eyelids with fingers. Call a physician

After ingestion If swallowed, wash out mouth with water provided person is conscious. Call physician. Do not induce vomiting

5 Fire Fighting Measures

EXTINGUISHING MEDIA

Suitable: Carbon dioxide, dry chemical powder, or appropriate foam.

SPECIAL RISKS

Specific Hazard(s): Emits toxic fumes under fire conditions.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

6 Accidental Release Measures

Procedures for personal precaution	Wear protective equipment. Exercise appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation.
Measures for environmental protection	No specific measures
Methods for cleaning up	Cover with dry lime or soda ash, pick up, keep in a closed container, and hold for waste disposal. Ventilate area and wash spill site after material pickup is complete.

7 Handling and Storage

Handling	Directions for Safe Handling: Avoid inhalation of vapour. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.
Storage	Store at 2-8 °C. Keep closed

8 Exposure Controls / Personal protection

Additional information about design of technical facilities	Safety shower and eye bath.
General hygiene measures	Wash contaminated clothing before reuse. Discard contaminated shoes. Wash thoroughly after handling.
Personal protective equipment	The usual precautionary measure are to be adhered to when handling chemicals
Protection of the hands	Protective gloves
Material of gloves	The selection of suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer
Eye protection	Wear safety glasses
Other	Wear protective clothing e.g. laboratory coat

9 Physical and Chemical Properties

General information:	
Form	Liquid
Colour	Brownish (at room temperature)
Odour	N/A
Change in condition:	
Melting point/range	N/A
Boiling point/range	N/A
Autoignition temperature	N/A
Explosion limits	N/A
Explosive properties	N/A
Flammability	N/A
Flash point	N/A
Oxidizing properties	N/A
Partitioning Coefficient	N/A
pH-value at 22 C	N/A
SG / Density	N/A
Solubility in/miscibility with water	N/A
Vapour density	N/A
Vapour pressure	N/A
Viscosity	N/A

10 Stability and Reactivity

Stability	stable
Reactivity	Reacts with organic materials. Avoid strong bases finely powdered metals.
Hazardous Polymerisation	Will not occur
Hazardous Decomposition	Thermal decomposition may produce toxic fumes of phosphorous oxides and or phosphine.

11 Toxicological information

SIGNS AND SYMPTOMS OF EXPOSURE

May cause cyanosis (blue-gray coloring of skin and lips caused by lack of oxygen). Symptoms of exposure may include burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache, nausea, and vomiting. Inhalation may result in spasm, inflammation and edema of the larynx and bronchi, chemical pneumonitis, and pulmonary edema. Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin.

ROUTE OF EXPOSURE

Skin Contact: irritant

Eye Contact: irritant

Inhalation: irritant (destructive to the tissue of the mucous membrane, lung irritant)

Ingestion: Harmful if swallowed.

Additional toxicological information To the best of our knowledge the toxicological properties of this product have not been thoroughly investigated (Coomassie Blue)

12 Ecological information

No data available

13 Disposal considerations

Recommendation for product Dispose in accordance with local and national official environmental regulations

14 Transport information

Land transport

RID/ADR class Non-hazardous for road transport.

Maritime transport

IMDG class Non-hazardous for sea transport.

Air transport

ICAO/IATA class Non-hazardous for air transport.

15 Regulatory information

Classification and labelling according to EU directives:

Indication of danger: C (corrosive)

R-Phrases:

R34 - Causes burns.

S-Phrases:

S2 - Keep out of the reach of children.

S45 - In case of accident or if you feel unwell, seek medical advice immediately

16 Other information

Warranty

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Novexin Ltd shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or delivery note for additional terms and conditions of sale.

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