OXFORD LAB FINE CHEM LLP
ISO 9001-2008 Certified Company

Regd Office: Unit no 12, 1st Floor,
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Oxford
Range of
Laboratory Chemicals

MATERIAL SAFETY DATA SHEET

FAST BLUE B SALT
(For Microscopy) (C.I.NO.37235)
MSDS CAS: 14263-94-6

Section 1: Chemical Product and Company Identification

Section 1: Chemical Product
Product Name: FAST BLUE B SALT
CAS#: 14263-94-6
Synonym: Diazo Blue B, Naphthanil Diazo Blue B
o-Dianisidine bis(diazotized) zinc double salt, Azoic Diazo No. 48
Chemical Name: Fast Blue B Salt
Chemical Formula: $C_{14}H_{12}Cl_4N_4O_2Zn$

Brand: OXFORD

Details Of The Supplier Of The Safety Data Sheet :

Company identification: OXFORD LAB FINE CHEM LLP
Unit. No. 12, 1st Floor, Neminath Industrial Estate No. 6,
Navghar, Vasai (East). Palghar - 401 210.
Mumbai, Maharashtra, INDIA.
Tel: 91-250-2390989
Tel/Fax: 91-250-2390032

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Fast Blue B Salt	14263-94-6	100

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Section 3: Hazards Identification

Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Carcinogenicity (Category 1B), H350

Label elements

Labelling according Regulation (EC) No 1272/2008

Hazard statement(s):

H350 May cause cancer.

Precautionary statement(s):

P201 Obtain special instructions before use.
P308 + P313 IF exposed or concerned: Get medical advice/ attention.

Supplemental Hazard Statements: None.

According to European Directive 67/548/EEC as amended.

R-phrase(s): R45 May cause cancer.

S-phrase(s):

S53 Avoid exposure - obtain special instructions before use.
S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Other hazards: None.

Section 4: First Aid Measures

Description of first aid measures

General advice:

Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled:

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact: Wash off with soap and plenty of water. Consult a physician.

In case of eye contact: Flush eyes with water as a precaution.

If swallowed:

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

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Section 4: First Aid Measures (Continued)

Most important symptoms and effects, both acute and delayed:
The most important known symptoms and effects are described in the labelling.

Indication of any immediate medical attention and special treatment needed: **No data available.**

Section 5: Fire and Explosion Data

Extinguishing media
Suitable extinguishing media:
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture:
Carbon oxides, nitrogen oxides (NOx), Hydrogen chloride gas, Zinc/zinc oxides.

Advice for firefighters:
Wear self-contained breathing apparatus for firefighting if necessary.

Further information: **No data available.**

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:
Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

Environmental precautions:
Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Methods and materials for containment and cleaning up:
Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

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Section 7: Handling and Storage

Precautions for safe handling:

Avoid contact with skin and eyes. Avoid formation of dust and aerosols.
Provide appropriate exhaust ventilation at places where dust is formed.

Conditions for safe storage, including any incompatibilities:

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.
Recommended storage temperature: 2 - 8 °C

Specific end use(s): **Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.**

Section 8: Exposure Controls/Personal Protection

Control parameters

Components with workplace control parameters

Exposure controls

Appropriate engineering controls:

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection:

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection:

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection:

Impervious clothing, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection:

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

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Section 8: Exposure Controls/Personal Protection (Continued)

Control of environmental exposure:

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Section 9: Physical and Chemical Properties

Appearance Form	**: Powder.**
Colour	**: No data available.**
Odour	**: No data available.**
Odour Threshold	**: No data available.**
Molecular Weight	**: 475.47 g/mole.**
pH	**: No data available.**
Melting point	**: > 300 °C - lit.**
Boiling range	**: No data available.**
Flash point	**: No data available.**
Evaporation rate	**: No data available.**
Flammability (solid, gas)	**: No data available.**
Explosive limits	**: No data available.**
Vapour pressure	**: No data available.**
Vapour density	**: No data available.**
Relative density	**: No data available.**
Water solubility	**: No data available.**
Partition coefficient: noctanol/water	**: No data available.**
Auto-ignition temperature	**: No data available.**
Decomposition temperature	**: 178 °C**
Viscosity	**: No data available.**
Explosive properties	**: No data available.**
Oxidizing properties	**: No data available.**

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Section 10: Stability and Reactivity Data

Reactivity: No data available.

Chemical stability: Stable under recommended storage conditions.

Possibility of hazardous reactions: No data available.

Conditions to avoid: No data available.

Incompatible materials: Strong oxidizing agents.

Hazardous decomposition products: Other decomposition products - No data available.

Section 11: Toxicological Information

Information on toxicological effects
Acute toxicity: No data available.

Skin corrosion/irritation: No data available.

Serious eye damage/eye irritation: No data available.

Respiratory or skin sensitization: No data available.

Germ cell mutagenicity: No data available.

Carcinogenicity
IARC: 1 - Group 1: Carcinogenic to humans (o-Dianiside)

Reproductive toxicity: No data available.

Specific target organ toxicity - single exposure: No data available.

Specific target organ toxicity - repeated exposure: No data available.

Aspiration hazard: No data available.

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Section 12: Ecological Information

Toxicity: No data available.

Persistence and degradability: No data available.

Bioaccumulative potential: No data available.

Mobility in soil: No data available.

Results of PBT and vPvB assessment:
PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

Other adverse effects: No data available.

Section 13: Disposal Considerations

Waste treatment methods
Product:
Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging: Dispose of as unused product.

Section 14: Transport Information

Land transport (ADR-RID)

General information: Not regulated.

Sea transport (IMDG) [English only]

General information: Not regulated.
Air transport (ICAO-IATA) [English only]

General information: Not regulated.

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Section 15: Other Regulatory Information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.
Safety, health and environmental regulations/legislation specific for the substance or mixture:
No data available.

Chemical Safety Assessment:
For this product a chemical safety assessment was not carried out.

Section 16 - Additional Information

References: Not available.

Other Special Considerations: Not available.

Disclaimer:

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The information contained herein in good faith but makes no representations as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.

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