

MATERIAL SAFETY DATA SHEET

DIAZO REAGENT B (For Bilirubin Determination) MSDS CAS:

Section 1: Chemical Product and Company Identification

Section 1: Chemical Product

Product Name: DIAZO REAGENT B

CAS#: Not Available.

Synonym: Not Available.

Chemical Name: Diazo Reagent B

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

Composition:

Substance name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Water	(CAS-No.) 7732-18-5 (EC-No.) 231-791-2	>= 99	Not classified
Sodium nitrite	(CAS-No.) 7632-00-0 (EC-No.) 231-555-9 (EC Index-No.) 007-010-00-4	0.01 - 1	Ox. Sol. 1, H271 Acute Tox. 3 (Oral), H301 Aquatic Acute 1, H400

Section 3: Hazards Identification

Classification of the substance or mixture

Classification EC 67/548 or EC 1999/45: Not classified.

Hazard Class and Category Code(s), Regulation (EC) No 1272/2008 (CLP): Not classified.

Label elements

Labelling EC 67/548 or EC 1999/45: Not classified

Symbol(s): Not Available.

R Phrase(s): Not Available.

S Phrase(s): Not Available.

Contains: Water - Sodium nitrite.

Labelling Regulation EC 1272/2008 (CLP): Not classified.

Contains: Water - Sodium nitrite.

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. Rinse mouth. Do NOT induce vomiting.

Most important symptoms and effects, both acute and delayed

Symptoms relating to use: Not expected to present a significant hazard under anticipated conditions of normal use.

Section 4: First Aid Measures (Continued)

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.

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.

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 for safe handling

Handling:

Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.

Technical protective measures: Provide good ventilation in process area to prevent formation of vapour.

Conditions for safe storage, including any incompatibilities

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.

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

Information on basic physical and chemical properties

Physical state at 20 °C	: Liquid
Colour	: Clear Colorless
Odour	: odourless
Molecular Weight	: Not applicable.
Odour threshold	: No data available.
pH value	: Not applicable.
Melting point [°C]	: No data available.
Decomposition point [°C]	: Not applicable.

Section 9: Physical and Chemical Properties (Continued)

Critical temperature [°C]	: Not applicable.
Auto-ignition temperature [°C]	: Not applicable.
Flammability (solid, gas)	: Not applicable.
Flash point [°C]	: Not applicable.
Boiling point [°C]	: Not applicable.
Initial boiling point [°C]	: Not applicable.
Final boiling point [°C]	: Not applicable.
Evaporation rate	: Not applicable.
Vapour pressure [20°C]	: Not applicable.
Vapour pressure mm/Hg	: Not applicable.
Vapour density	: Not applicable.
Density [g/cm ³]	: Not applicable.
Relative density, gas (air=1)	: Not applicable.
Relative density, liquid (water=1)	: Not applicable.
Solubility in water [% weight]	: Not applicable.
Solubility in water	: Not applicable.
Log Pow octanol / water at 20°C	: No data available.
Solubility	: Not applicable.
Viscosity at 40°C [mm ² /s]	: Not applicable.

Section 10: Stability and Reactivity Data

Reactivity: Not established.

Chemical stability: Stable under recommended storage conditions.

Hazardous reactions: Not established.

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

Materials to avoid: Strong acids. Strong bases.

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

Section 11: Toxicological Information

Information on toxicological effects

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

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.

Persistence - degradability: Biodegradable.

Bioaccumulative potential: Not established.

Mobility in soil: Not established.

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 treatment methods

General: Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations.

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.

Section 15: Other Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

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: It has not been carried out.

OXFORD LAB FINE CHEM LLP

ISO 9001-2008 Certified Company

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Section 16 - Additional Information

References: Not available.

Other Special Considerations: Not available.

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