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

IODINE 1N (0.5M) SOLUTION

MSDS CAS:

Section 1: Chemical Product and Company Identification

Section 1: Chemical Product
Product Name: IODINE 1N (0.5M) SOLUTION
CAS NO: Not Available
Synonym: Not Available
Chemical Name: IODINE 1N (0.5M) SOLUTION
Chemical Formula: Not Available

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 NO	% by Weight
Iodine	7553-56-2	10 - 15
Potassium iodide	7681-11-0	15 - 25
Water	7732-18-5	50 - 75

Toxicological Data on Ingredients: Not available.

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Section 3: Hazards Identification

Classification of the substance or mixture
Classification according to Regulation (EC) No 1272/2008 Specific target organ toxicity - repeated exposure (Category 2), Thyroid, H373.
For the full text of the H-Statements mentioned in this Section, see Section 16.

Other hazards: This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

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. Take victim immediately to hospital. 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.

Most important symptoms and effects, both acute and delayed:

Symptoms relating to use: Repeated exposure to this material can result in absorption through skin causing significant health hazard.

Indication of any immediate medical attention and special treatment needed:

General information: No data available.

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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: **Hydrogen iodide, Potassium oxides**

Advice for fire-fighters: **Wear self-contained breathing apparatus for firefighting if necessary**

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

Environmental precautions: **Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.**

Methods and materials for containment and cleaning up: **Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.**

Section 7: Handling and Storage

Precautions for safe handling : **Avoid contact with skin and eyes. Avoid inhalation of vapour or mist**

Conditions for safe storage, including any incompatibilities: **Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.**

Storage class (TRGS 510): **Non Combustible Liquids**

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Section 8: Exposure Controls/Personal Protection

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: **Face shield and safety glasses 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: **Complete suit protecting against chemicals, 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 (US) or type ABEK (EN 14387) respirator cartridges as a backup to enginee 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).**

Control of environmental exposure: **Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.**

Section 9: Physical and Chemical Properties

Physical state and appearance	**: Liquid.**
Odor	**: No data available.**
Taste	**: Not available.**
Molecular Weight	**: Not available.**
Color	**: Reddish brown solution.**
pH (1% soln/water)	**: Not available.**
Boiling Point	**: Not available.**
Melting Point	**: Not available.**
Critical Temperature	**: Not available.**

Section 9: Physical and Chemical Properties (continued)

Specific Gravity	**: Not available.**
Vapor Pressure	**: Not available.**
Density	**: Not available**
Volatility	**: Not available.**
Odor Threshold	**: Not available.**
Water/Oil Dist. Coeff.	**: Not available.**
Ionicity (in Water)	**: Not available.**
Dispersion Properties	**: Not available.**
Solubility	**: Not available.**

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: **No data available**

Hazardous decomposition products: **Hazardous decomposition products formed under fire conditions. - Hydrogen iodide, Potassium oxides. Other decomposition products - No data available**

In the event of fire: **see section 5**

Section 11: Toxicological Information

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**

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Section 11: Toxicological Information (Continued)

Carcinogenicity IARC: **No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.**

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

Additional Information RTECS: Not available burning sensation, Cough, wheezing, laryngitis, Shortness of breath, Headache, Prolonged exposure to iodides may produce iodism in sensitive individuals. Headache and irritation of the mucous membrane. For severe cases the skin blue spots. Iodides are readily diffused across the placenta. Neonatal de been reported. Iodides have been known to cause drug-induced fevers

Section 12: Ecological Information

Toxicity: No data available
Persistence and degradability: No data available
Bio accumulative potential: No data available
Mobility in soil: No data available
Results of PBT and vPvB assessment: This substance/mixture contains no components considered to be either persistent, bio accumulative and toxic (PBT), or very persistent and very bio accumulative (vPvB) at levels of 0.1% or higher.
Other adverse effects: Harmful to aquatic life.

Section 13: Disposal Considerations

Waste treatment methods:

Product: Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging: Dispose of as unused product.

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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: This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.
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.

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