OXFORD LAB FINE CHEM LLP

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Oxford
Range of
Laboratory Chemicals

MATERIAL SAFETY DATA SHEET

PERIODIC ACID SOLUTION 1%

(For Staining OF Gel) (For staining of cell polysaccharides)
MSDS CAS:

Section 1: Chemical Product and Company Identification

Section 1: Chemical Product
Product Name: PERIODIC ACID SOLUTION 1%
CAS#: Not Available.
Synonym: Not Available.
Chemical Name: Periodic Acid Solution 1%
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.
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Section 2: Composition and Information on Ingredients

Composition:

Substance name	CAS #	% by Weight
Periodic Acid Solution 1%	-	100

Section 3: Hazards Identification

Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Skin corrosion (Category 1A), H314

For the full text of the H - Statements mentioned in this Section, see Section 16.

Label elements

Labelling according Regulation (EC) No 1272/2008

Hazard statement(s): **H314 Causes severe skin burns and eye damage.**

Precautionary statement(s):

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER/doctor.

Supplemental Hazard Statements: **None.**

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: **Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.**

In case of eye contact: **Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.**

If swallowed: **Do NOT induce vomiting. 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

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

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: Hydrogen iodide

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 breathing vapours, mist or gas. Ensure adequate ventilation.
Evacuate personnel to safe areas.
For personal protection see section 8.

Environmental precautions: Do not let product enter drains.

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 inhalation of vapour or mist.
For precautions see section 2.2.

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.
Recommended storage temperature 2 - 8 °C
Storage class (TRGS 510): Non-combustible liquids, corrosive.

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

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:

Tightly fitting safety goggles. Faceshield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection:

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.
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: **Do not let product enter drains.**

Section 9: Physical and Chemical Properties

Appearance Form	**: Liquid.**
Odour	**: No data available.**
Odour Threshold	**: No data available.**
pH	**: 1.77.**
Melting point	**: No data available.**

Section 9: Physical and Chemical Properties (Continued)

Boiling point : **No data available.**
Flash point : **Not applicable.**
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: n-octanol/water: No data available.
Auto-ignition temperature : **No data available.**
Decomposition temperature : **No data available.**
Viscosity : **No data available.**
Explosive properties : **No data available.**
Oxidizing properties : **No data 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:
Strong bases, powdered metals, Strong reducing agents, Dimethyl sulfoxide. (DMSO)

Hazardous decomposition products
Hazardous decomposition products formed under fire conditions.-Hydrogen iodide
Other decomposition products-No data available
In the event of fire: see section 5

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 sensitisation: No data available
Germ cell mutagenicity: No data available

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

Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin., spasm, inflammation and edema of the larynx, spasm, inflammation and edema of the bronchi, pneumonitis, pulmonary edema, burning sensation, Cough, wheezing, laryngitis, Shortness of breath, Headache, Nausea.

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: 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)
Proper shipping name: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.
UN N°: 3264
H.I. nr: 80
ADR - Class: 8
Labelling - Transport: 8: Corrosive substance.
ADR - Group: III

Sea transport (IMDG) [English only]
Proper shipping name: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.
UN N°: 3264
IMO-IMDG - Class or division: 8: Corrosive substance.
IMO-IMDG - Packing group: III

Air transport (ICAO-IATA) [English only]
Proper shipping name: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.
UN N°: 3264
IATA - Class or division: 8: Corrosive substance.
IATA - Packing group: III

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.

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Section 16 - Additional Information

References: Not available.

Other Special Considerations: Not available.

Disclaimer:

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