

OXFORD LAB FINE CHEM LLP

ISO 9001-2008 Certified Company

Regd Office: Unit no 12, 1st Floor,
Neminath Industrial Estate No.6,
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MATERIAL SAFETY DATA SHEET

R.B.C DILUTING FLUID (Heyme's Solution) MSDS CAS:

Section 1: Chemical Product and Company Identification

Section 1: Chemical Product

Product Name: R.B.C DILUTING FLUID (Heyme's Solution)

CAS#: Not available.

Chemical Name: R.B.C DILUTING FLUID (Heyme's 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

Substance / Preparation: Preparation.

Hazardous component(s): This product is hazardous.

SUBSTANCE NAME	CAS NO.	CONTENTS
Sodium chloride	7647-14-5	About 0.5%
Sodium sulphate anhydrous	7757-82-6	About 2.5%
Mercuric chloride	7487-94-7	About 0.25%
Water	7732-18-5	> 95.0%

Section 3: Hazards Identification

Classification of the substance or mixture

Hazard Class and Category Code(s), Regulation (EC) No 1272/2008 (CLP):

GHS09

Acute Hazard, category 4

H302 Harmful if swallowed.

Aquatic Chronic 1, 2

H412 Harmful to aquatic life with long lasting effects.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC:

Xn; Harmful

R22: Harmful if swallowed.

R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Information concerning particular hazards for human and environment:

The product has to be labelled due to the calculation procedure of the "General Classification guideline for Substances of the EU", DI

R. 67/548/EC, in the latest valid version, and of the "General Classification guideline for Preparations of the EU", DIR. 99/45/EC, in the latest valid version.

Classification system:

The product has to be labelled due to the calculation procedure of the "General Classification guideline for Substances of the EU",

DIR. 67/548/EC, in the latest valid version, and of the "General Classification guideline for Preparations of the EU", DIR. 99/45/EC, in the latest valid version.

Other hazards : Results of PBT and vPvB assessment:

PBT: Not applicable.

vPvB: Not applicable.

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.

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Section 4: First Aid Measures (Continued)

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.

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.

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Section 6: Accidental Release Measures (Continued)

Environmental precautions

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

Personal protective equipment:

General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Protection of hands:

The selected protective gloves have to satisfy the specifications of EU Directive 89/689/EEC and the standard EN 374 derived from it.

Section 8: Exposure Controls/Personal Protection (Continued)

Rubber gloves:

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation. The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material: The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection: Chemical safety goggles.

Body protection: Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Section 9: Physical and Chemical Properties

Physical state and appearance	: Liquid.
Odor	: Odorless.
Taste	: Not available.
Molecular Weight	: Not available.
Color	: Colorless.
pH (1% soln/water)	: Not available.
Boiling Point	: 100°C.
Melting Point	: Not available.
Critical Temperature	: Not available.
Specific Gravity	: Not available.
Vapor Pressure	: No 23 h Pa at 20 °C
Vapor Density	: Not available.
Density	: g/cm ³ at 20°C
Volatility	: Not available.
Odor Threshold	: Not available.
Water/Oil Dist. Coeff.	: Not available.
Dispersion Properties	: Not available.
Solubility	: Completely miscible in water.
Viscosity (water)	: 96.8

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Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Possibility of hazardous reactions: Reacts with light alloys to form hydrogen.

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

Incompatibility with various substances: Not available.

Materials to avoid: Not available.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: Not available.

Hazardous decomposition products: Mercury/mercury oxides, Hydrogen chloride gas.

Section 11: Toxicological Information

Information on toxicological effects:

Acute toxicity :

Dermal : No irritant effect.
On the eye : No relevant irritating effects.
Ingestion : Harmful if swallowed
Inhalation : May be harmful if inhaled.
Sensitization : No sensitizing effects known.
Mercury dichloride (About 2.5%)

Oral LD50 value – 1 mg/kg (Rat)

Dermal LD50 value – 41 mg/kg (Rat)

Other information (about experimental toxicology): No more relevant data available.

Additional toxicological information:

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version: Harmful

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Section 12: Ecological Information

Toxicity information: Not available.

BOD5 and COD: Not available.

Persistence - degradability: Not available.

Bioaccumulative potential: Not established.

Toxicity of the Products of Biodegradation: Not available.

Special Remarks on the Products of Biodegradation: Not available.

Results of PBT and vPvB assessment: Not available.

Environmental precautions: Not available.

Section 13: Disposal Considerations

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

Section 14: Transport Information

Land transport (ADR-RID)

Proper shipping name : Mercury compound, liquid, n.o.s.

UN N° : 2024

ADR - Class : 6.1

ADR Group : II

Sea transport (IMDG) [English only]

Proper shipping name : Mercury compound, liquid, n.o.s.

UN N° : 2024

IMO-IMDG - Class or division : 6.1

IMO-IMDG - Packing group : II

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Section 14: Transport Information (Continued)

Air transport (ICAO-IATA) [English only]

Proper shipping name : Mercury compound, liquid, n.o.s.
UN N° : 2024
IATA - Class or division : 6.1
IATA - Packing group : II

Section 15: Other Regulatory Information

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

CLASSIFICATION AND LABELING ACCORDING TO
EU DIRECTIVES INDICATION OF DANGER: T

Toxic.

R-PHRASES: 25-52/53

Toxic if swallowed. Harmful to aquatic organisms,
may cause long-term adverse effects in the aquatic environment.

S-PHRASES: 45

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Caution: Substance not yet fully tested (EU).

Chemical Safety Assessment: It has not been carried out.

Section 16 - Additional Information

References: Not available.

Other Special Considerations: Not available.

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The logo for Oxford Laboratory Chemicals, featuring the word "Oxford" in a stylized, blue, serif font.

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