



Serving Scientific Community  
Since 1985



**TECHNO PHARMCHEM**

An ISO 9001 : 2008 Certified Company

Registered Off. : 101-A, Deep Enclave, Pocket "D", Ashok Vihar, Phase-III, Delhi-110 052 (India)  
Corporate Off. : 152, Vardhman City Centre, Near Shakti Nagar Underbridge, Delhi-110052 (India)  
Works : Plot No.1022, Modern Industrial Estate, Bahadurgarh-124507, Haryana (India)  
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## RBC Diluting Solution

### 1. Product Identification

Synonyms: Hayem's Solution

CAS No.: Not applicable to mixtures.

Molecular Weight: Not applicable to mixtures.

Chemical Formula: Not applicable to mixtures.

Product Codes: 39349

### 2. Composition/Information on Ingredients

Ingredient	CAS No	Percent
Sodium Chloride	7647-14-5	< 0.5%
Sodium Sulphate	7757-82-6	< 2.5%
Mercuric Chloride	7487-94-7	< 0.5%
Water	7732-18-5	Balance

### 3. Hazards identification

Potential Health Effects

Swallowed: May cause irritation to mouth, throat and stomach with effects including mucous build up, irritation to the tongue and lips and pains in the stomach, which may lead to nausea, vomiting and diarrhoea.

Eye: May cause irritation to the eyes, with effects including: tearing, pain, stinging and blurred vision.

Skin: May cause irritation to the skin, with effects including; Redness and itchiness.

Inhaled: Mists from the product may cause irritation to the nose, throat and respiratory system with effects including: Cough, discomfort, difficulty breathing and shortness of breath.

Chronic: None allocated

### 4. First Aid Measures

Inhalation: Remove to fresh air. Get medical attention for any breathing difficulty.

Ingestion: Give several glasses of water to drink to dilute. If large amounts were swallowed, get medical advice.

Skin Contact: Immediately flush skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention if irritation develops.

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention if irritation persists.

### 5. Fire Fighting Measures

Fire : Not considered to be fire hazard

Explosion: Not considered to be a explosion hazard

Fire Extinguishing Media:Water spray, dry chemical, alcohol foam, or carbon dioxide.

Special Information:In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode.

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. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. We do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.



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## 6. Accidental Release Measures

Ventilate area of leak or spill. Remove all sources of ignition. Wear appropriate personal protective equipment as specified in Section 8. Isolate hazard area. Keep unnecessary and unprotected personnel from entering.

## 7. Handling and Storage

Protect against physical damage. Store in a cool, dry well-ventilated location.

## 8. Exposure Controls/Personal Protection

No exposure standards are available for this product

**Ventilation System:** A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area.

**Personal Respirators (NIOSH Approved):** If the exposure limit is exceeded and engineering controls are not feasible, wear a supplied air, full-face piece respirator, air lined hood, or full-face piece self-contained breathing apparatus.

**Skin Protection:** Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

**Eye Protection:** Use chemical safety goggles and/or a full face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities in work area.

## 9. Physical and Chemical Properties

**Appearance:** Clear colourless solution

**Odor:** Odorless.

**Solubility:** Appreciable

**Specific Gravity:** 0.98 - 1.00

**pH:** No information found.

**% Volatiles by volume @ 21C (70F):** 100

**Boiling Point:** No information found.

**Melting Point:** No information found.

**Vapor Density (Air=1):** Not applicable.

**Vapor Pressure (mm Hg):** Not applicable.

**Evaporation Rate (BuAc=1):** No information found.

## 10. Stability and Reactivity

**Stability:** Stable under ordinary conditions of use and storage.

**Hazardous Decomposition Products:** No information found

**Hazardous Polymerization:** Will not occur.

**Incompatibilities:** No information found

**Conditions to Avoid:** Heat, flames, ignition sources and incompatibles.

## 11. Toxicological Information

No information found



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## 12. Ecological Information

Environmental Fate: No information found

Environmental Toxicity: No information found

## 13. Disposal Considerations

Dispose of container and unused contents in accordance with federal, state and local requirements.

## 14. Transport Information

Not Regulated

## 15. Regulatory Information

SARA 311/312: Acute: Yes Chronic: Yes Fire: No Pressure: No

Reactivity: No (Mixture / Liquid)

## 16. Other Information

Product Use:

Laboratory Reagent.