



HYDROCHEM 502

(Material Safety Data Sheet)

1. PRODUCT & COMPANY INFORMATION :

Product Name : HYDROCHEM 502
Company Name : Salts and Chemicals Pvt. Ltd.

2. HAZARDOUS IDENTIFICATION :

Emergency Overview : Skin - Causes irritation
Eye - Harmful, causes irritation
Ingestion - Harmful if swallowed.

Potential Health Effects

Eyes : Contacted areas may exhibit irritation. Acute overexposure without water flushing may result in burns.

Skin : Contacted areas may exhibit irritation. Acute overexposure without water flushing may result in burns.

Ingestion : Causes irritation to the gastro-intestinal tract. May be harmful if swallowed.

Inhalation : May cause nasal and respiratory irritation.

Chronic Effects : Repeated exposure may cause tissue damage.

Potential Environmental Effects : Not available.

3. COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENT	CAS NO.
HEDP	2809-21-4
PBTC	5108-96-3
Terpolymer	Proprietary
Water	7732-18-5

4. FIRST AID MEASURES

Eyes : Immediately flush with large quantities of cool water for at least 15 minutes. Call a physician.

Skin : Immediately flush with large quantities of cool water for at least 15 minutes. Call a physician. Remove contaminated clothing and shoes. Do not put contaminated clothing and shoes back on. Wash clothing and shoes thoroughly in soap and water; rinse repeatedly in clean water and dry before reuse.

Ingestion : Do not induce vomiting. Give water. Never give anything by mouth to an unconscious person. Call a physician.

Inhalation : Remove to fresh air and get medical attention.

Signs And Symptoms Of Exposure : Contacted areas may exhibit irritation. Acute overexposure without water flushing may result in burns.

Primary Route Of Entry : Eyes, skin.

5. FIRE FIGHTING MEASURES

Flammable Properties : Water solution is not flammable

Extinguishing Media : As appropriate for surrounding fire

Fire Fighting Instructions : Use NIOSH / MSHA approved positive pressure Self-contained breathing apparatus when any material is involved in a fire.

6. ACCIDENTAL RELEASE MEASURES

Steps To Be Taken In Case Material Release Or Spill : Contain liquid spills with sand and absorb on soda ash. Dispose with solid wastes. See Waste Disposal Method. Do not discharge to sewers or waterways without treatment.

7. HANDLING AND STORAGE

Precautions : Store in a tightly closed container, in a cool and ventilated space. Avoid freezing temperature.



8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls	: As necessary to avoid inhalation and contact.
Respiratory Protection	: Use NIOSH / MSHA approved respirator for dusts and mists where airborne exposure is excessive.
Skin Protection	: Butyl rubber gloves. Other equipment as required to avoid contact.
Eye Protection	: Safety eyewear to protect against unexpected splashes.
General Hygiene Considerations	: Eyewash facility and emergency shower should be in close proximity.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: Liquid, clear colorless.
Specific Gravity	: 1.05 – 1.10
pH	: 1.0 – 2.0

10. STABILITY AND REACTIVITY

Stability	: Material is stable.
Incompatibility	: Strong oxidizing agents.
Conditions To Avoid	: Freezing temperature.
Hazardous Decomposition Products	: Oxides of zinc, hydrochloric acid and oxides of carbon and phosphorus.
Hazardous Polymerization	: Will not occur.

11. TOXICOLOGICAL INFORMATION :

Organophosphate 100 % (LD50) Oral (Rat)	: >191mg/kg
Terpolymer 100% (LD 50) Oral (Rat)	: >280 mg/kg

13. DISPOSAL CONSIDERATIONS :

WASTE DISPOSAL METHOD: Dispose in accordance with local, state and federal regulations.

14. TRANSPORTATION INFORMATION

DOT Classification	: 8; corrosive
UN Number	: 3265
Packing Group	: II
Proper Shipping Name	: Corrosive liquid, acidic, organic; N.O.S.

15. REGULATORY INFORMATION:

HMIS (U.S.A.)	: Health Hazard:2 Fire Hazard:0 Reactivity:1
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Protective Equipment : Gloves. Full suit. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Face shield.

16. OTHER INFORMATION :

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall SALTS & CHEMICALS PVT.LTD. be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, arising out of use of the product.