



HYDROCHEM 220L

(Material Safety Data Sheet)

1. IDENTIFICATION:

Product Name : HYDROCHEM 220L
Company Name : Salts and Chemicals Pvt. Ltd.

2. HAZARDOUS IDENTIFICATION :

- Inhalation** : May cause irritation to the respiratory tract. Symptoms may include coughing and shortness of breath.
- Ingestion** : Phosphates are slowly and incompletely absorbed when ingested, and seldom result in systemic effects. Such effects, however, have occurred. Symptoms may include vomiting, lethargy, diarrhea, blood chemistry effects, heart disturbances and central nervous system effects.
- Skin Contact** : May cause irritation with redness and pain.
- Eye Contact** : May cause irritation, redness and pain.
- Chronic Exposure** : May sequester calcium and cause calcium phosphate deposits in the kidneys. Chronic ingestion or inhalation may induce systemic phosphorous poisoning. Liver damage, kidney damage, jaw/tooth abnormalities, blood disorders and cardiovascular effects can result.
- Aggravation of Pre-existing Conditions** : Persons with pre-existing skin disorders or eye problems, jaw/tooth abnormalities, or impaired liver, kidney or respiratory function may be more susceptible to the effects of the substance.

3. INFORMATION ON HAZARDOUS INGREDIENTS :

| COMPONENT | CAS NO. |
|-------------------------------|------------|
| PHOSPHORIC ACIDS, SODIUM SALT | 68915-31-1 |
| WATER | 7732-18-5 |

4. FIRST AID MEASURES :

- Eyes** : Immediately flush eyes with plenty of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention if irritation persists.
- Skin** : Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention if irritation develops. Cover the irritated skin with an emollient. If irritation persists, seek medical attention.
- Ingestion** : Induce vomiting. Give water. Never give anything by mouth to an unconscious person. Call a physician.
- Inhalation** : Remove to fresh air. Get medical attention for any breathing difficulty.
- Ingestion** : Give large amounts of water to drink. Never give anything by mouth to an unconscious person. Get medical attention.

5. FIRE FIGHTING MEASURES :

- Extinguishing Media** : Use any means suitable for extinguishing surrounding fire.
- Fire Fighting Instructions** : Not flammable or combustible.

6. ACCIDENTAL RELEASE MEASURES :

Ventilate area of leak or spill. Wear appropriate personal protective equipment.
Spills: Sweep up and containerize for reclamation or disposal. Vacuuming or wet sweeping may be used to avoid dust dispersal. Small amounts of residue may be flushed to sewer with plenty of water.

7. HANDLING AND STORAGE :

Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Isolate from incompatible substances. Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Ventilation System** : In general, dilution ventilation is a satisfactory health hazard control for this substance. However, if conditions of use create discomfort to the worker, a local exhaust system should be considered.
- Personal Respirators** : For conditions of use where exposure to mist is apparent and engineering controls are not feasible, a particulate respirator (NIOSH type N95 or better filters) may be worn. If oil particles (e.g. lubricants, cutting fluids, glycerin, etc.) are present, use a NIOSH type R or P filter. For emergencies or instances where the exposure levels are not known, use a full-face positive-pressure, air-supplied respirator.



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- Skin Protection** : Wear protective gloves and clean body-covering clothing.
Eye Protection : Use chemical safety goggles. Maintain eye wash fountain and quick-drench facilities in work area.

9. PHYSICAL AND CHEMICAL PROPERTIES :

- Appearance** : Colorless liquid.
Specific Gravity : 1.15 – 1.20
pH : 6.0 – 7.0

10. STABILITY AND REACTIVITY :

- Stability** : Stable under normal conditions.
Hazardous Decomposition Products : Sodium and phosphorus oxides may form when heated to decomposition.
Polymerization : Hazardous polymerization will not occur.

11. TOXICOLOGICAL INFORMATION :

- Acute Oral Toxicity** : Oral rat LD50: >3053 mg/kg

12. ECOLOGICAL INFORMATION :

- Products of Biodegradation:** Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
Toxicity of the Products of Biodegradation: The products of degradation are more toxic.

13. DISPOSAL CONSIDERATIONS :

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. Dispose of container and unused contents in accordance with federal, state and local requirements.

14. TRANSPORTATION INFORMATION :

- DOT Classification** : Not a DOT controlled material (United States)
Identification : Not applicable.

15. REGULATORY INFORMATION:

- DSCL (EEC)** : R36- Irritating to eyes. S24/25- Avoid contact with skin and eyes. S36/37/39- Wear suitable protective clothing, gloves and eye/face protection. S45- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
HMIS (U.S.A.) : Health Hazard: 2
Fire Hazard: 0
Reactivity: 0
Personal Protection: E
Protective Equipment : Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Splash goggles.

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.