

**SAFETY DATA SHEET**  
HARDNESS PRECIPITANT B

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**1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING**

**Product name:** HARDNESS PRECIPITANT B

**Product code:** APP/HPB

**Synonyms:** HARDNESS REAGENT B

**Use / description of product:** Liquid. No significant hazard.

**2. COMPOSITION / INFORMATION ON INGREDIENTS**

**Ingredient 1:** RAW 8 HYDROXYQUINOLINE HEMISULPHATE HEMIHYDRATE 10-30%

CAS: 134-31-6

[Xn] R22;

**3. HAZARDS IDENTIFICATION**

**Main hazards:** No significant hazard.

**4. FIRST AID MEASURES (SYMPTOMS)**

**Skin contact:** There may be mild irritation at the site of contact.

**Eye contact:** There may be irritation and redness.

**Ingestion:** There may be irritation of the throat. There may be vomiting.

**Inhalation:** There may be vomiting.

**4. FIRST AID MEASURES (ACTION)**

**Skin contact:** Drench the affected skin with running water for 10 minutes or longer if substance is still on skin.

**Eye contact:** Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.

**Ingestion:** Do not induce vomiting. If conscious, give 1 pint of water to drink immediately. Transfer to hospital as soon as possible.

**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so.

**5. FIRE-FIGHTING MEASURES**

**Extinguishing media:** Carbon dioxide.

**Protection of fire-fighters:** Wear protective clothing to prevent contact with skin and eyes.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions:** Refer to section 8 of SDS for personal protection details.

**Clean-up procedures:** Wash down the drain with large amounts of water. Wash the spillage site with large amounts of water.

[cont...]

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**Handling requirements:** Avoid direct contact with the substance.

**Storage conditions:** Store in cool, well ventilated area. Keep container tightly closed.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Hand protection:** Protective gloves.

**Eye protection:** Safety goggles.

**Skin protection:** Protective clothing with elasticated cuffs and closed neck.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**State:** Liquid

**Colour:** Yellow

**Odour:** Odourless

**Viscosity:** Non-viscous

**Oxidising:** Non-oxidising (by EC criteria)

**Evaporation rate:** Slow

**Solubility in water:** Miscible in all proportions

**pH:** 6-8

**10. STABILITY AND REACTIVITY**

**Stability:** Stable under normal conditions.

**Conditions to avoid:** Heat.

**Haz. decomp. products:** In combustion emits toxic fumes.

**11. TOXICOLOGICAL INFORMATION****12. ECOLOGICAL INFORMATION**

**Mobility:** Readily absorbed into soil. Non-volatile.

**Persistence and degradability:** Biodegradable.

**Bioaccumulative potential:** No bioaccumulation potential.

**Other adverse effects:** Negligible ecotoxicity.

**13. DISPOSAL CONSIDERATIONS**

**Waste disposal:** Flush liquors to drain, local regulations permitting, or send to a waste water treatment plant.

**Disposal of packaging** Dispose of as normal industrial waste. Clean with water. May be reused following decontamination.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

**14. TRANSPORT INFORMATION****ADR / RID**

**UN no:** : none

**IMDG / IMO****IATA / ICAO**

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**15. REGULATORY INFORMATION**

**Hazard symbols:** No significant hazard.

**Safety phrases:** S2: Keep out of the reach of children.

S24/25: Avoid contact with skin and eyes.

**Note:** The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

**16. ADDITIONAL INFORMATION**

**Risk phrases used in s.2:** R22: Harmful if swallowed.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.