

**SAFETY DATA SHEET**  
SULPHATE PRECIPITANT REAGENT

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

**Product name:** SULPHATE PRECIPITANT REAGENT

**Product code:** RP5610

**Use / description of product:** Toxic. Harmful. The regulatory information is dependent upon the concentration limit of the specific substance.

**2. COMPOSITION / INFORMATION ON INGREDIENTS**

**Ingredient 1:** BARIUM CHLORIDE >90%

CAS: 10361-37-2

EINECS: 233-788-1

[Xn] R20; [T] R25;

**3. HAZARDS IDENTIFICATION**

**Main hazards:** Toxic if swallowed. Harmful by inhalation.

**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 soreness and redness of the mouth and throat.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest.

**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. Transfer to hospital as soon as possible.

**5. FIRE-FIGHTING MEASURES**

**Extinguishing media:** Water. Dry chemical powder. Carbon dioxide. Foam Vapourising Liquids.

**Exposure hazards:** In combustion emits toxic fumes.

**Protection of fire-fighters:** Wear self-contained breathing apparatus.

**6. ACCIDENTAL RELEASE MEASURES**

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

[cont...]

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**Environmental precautions:** Do not discharge into drains or rivers.

**Clean-up procedures:** Transfer to a suitable container. Wash the spillage site with large amounts of water.

**7. HANDLING AND STORAGE**

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

**Storage conditions:** Store in cool, well ventilated area. Keep away from direct sunlight.

**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:** Solid

**Colour:** White crystalline

**Odour:** Odourless

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

**Solubility in water:** Soluble

**Boiling point/range°C:** 1560

**Melting point/range°C:** 900

**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:** Soluble in water.

**Persistence and degradability:** Not biodegradable.

**Bioaccumulative potential:** Bioaccumulation potential.

**Other adverse effects:** Toxic to aquatic organisms. Toxic to animals.

**13. DISPOSAL CONSIDERATIONS**

**Waste disposal:** Dispose of as normal industrial waste.

**Disposal of packaging:** Dispose of as normal industrial waste.

**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:** 2830

**ADR Class:** 4.3

**Hazard ID no:** 423

**Labelling:** 4.3

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SULPHATE PRECIPITANT REAGENT**Shipping name:** LITHIUM FERROSILICON**IMDG / IMO****UN no:** 2830  
**Class:** 6.1  
**Packing group:** II  
**EmS:** 6.1-04  
**Marine pollutant:** YES  
**Labelling:** 6.1**IATA / ICAO****Class:** 6.1  
**Packing group:** III  
**Packing instructions:** 619  
**Quantity** 200 kg  
**Labelling:** 6.1**15. REGULATORY INFORMATION****Hazard symbols:** Toxic.**Risk phrases:** R25: Toxic if swallowed.  
R20: Harmful by inhalation.**Safety phrases:** S2: Keep out of the reach of children.  
S28: After contact with skin, wash immediately with plenty of water**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:** R20: Harmful by inhalation.  
R25: Toxic 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.