



**SAFETY DATA SHEET**  
CALCIUM CHLORIDE DIHYDRATE BP

Page 1  
Issued: 04/03/2003  
Revision No: 1

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

**Product name:** CALCIUM CHLORIDE DIHYDRATE BP  
**CAS number:** 10043-52-4  
**EINECS number:** 233-140-8  
**Index number:** 017-013-00-2  
**Product code:** A7L  
**Company name:** BULK RESOURCES LIMITED  
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**2. HAZARDS IDENTIFICATION**

**Main hazards:** Irritating to eyes.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

**Hazardous ingredients:** CALCIUM CHLORIDE DIHYDRATE BP 100.000%

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

**Skin contact:** There may be irritation and redness at the site of contact.  
**Eye contact:** There may be pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred. May cause permanent damage.  
**Ingestion:** There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.  
**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest.

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

**Skin contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.  
**Eye contact:** Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.  
**Ingestion:** Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Consult a doctor.  
**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

[cont...]

**SAFETY DATA SHEET**  
CALCIUM CHLORIDE DIHYDRATE BP

**5. FIRE-FIGHTING MEASURES**

**Extinguishing media:** Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

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

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

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions:** Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Do not create dust.

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

**Clean-up procedures:** Transfer to a closable, labelled salvage container for disposal by an appropriate method.

**7. HANDLING AND STORAGE**

**Handling requirements:** Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Avoid the formation or spread of dust in the air.

**Storage conditions:** Store in cool, well ventilated area. Keep container tightly closed. Avoid contact with water or humidity.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Engineering measures:** Ensure there is sufficient ventilation of the area.

**Respiratory protection:** Self-contained breathing apparatus must be available in case of emergency. Respiratory protective device with particle filter.

**Hand protection:** Protective gloves.

**Eye protection:** Tightly fitting safety goggles. Ensure eye bath is to hand.

**Skin protection:** Protective clothing.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**State:** Crystals

**Colour:** White

**Odour:** Odourless

**Solubility in water:** Highly soluble

**Boiling point/range°C:** 1900

**Melting point/range°C:** 765

**Flash point°C:** N/A

**Relative density:** 1.68

**pH:** 5-8

**10. STABILITY AND REACTIVITY**

**Stability:** Stable under normal conditions.

**Conditions to avoid:** Heat.

**Materials to avoid:** Strong oxidising agents. Strong acids.

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

**11. TOXICOLOGICAL INFORMATION**

**Routes of exposure:** Refer to section 4 of SDS for routes of exposure and corresponding symptoms.

**12. ECOLOGICAL INFORMATION**

**Persistence and degradability:** Biodegradable.

**Bioaccumulative potential:** No bioaccumulation potential.

**Other adverse effects:** Negligible ecotoxicity.

**13. DISPOSAL CONSIDERATIONS**

**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:** -

**Shipping name:** "NOT SUBJECT TO ADR"

**IMDG / IMO**

**UN no:** -

**IATA / ICAO**

**UN no:** -

**15. REGULATORY INFORMATION**

**Hazard symbols:** Irritant.



**Risk phrases:** R36: Irritating to eyes.

**Safety phrases:** S25: Avoid contact with eyes.

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S39: Wear eye / face protection.

**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

**SAFETY DATA SHEET**  
CALCIUM CHLORIDE DIHYDRATE BP

the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

**16. OTHER INFORMATION**

**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.