

# MATERIALS SAFETY DATA SHEET

KILROCK PRODUCTS LTD., UNIT 1B ALMA ROAD, CHESHAM, BUCKS HP5 3HB

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## 1. Identification of the Substance/preparation and of the Company/undertaking

**Product Name** : Slimline Moisture Trap 500gm  
: Jumbo Moisture Trap 1000gm  
: Refill Bags 500gm  
: Refill Pail 2.5Kg  
: Wardrobe Fresh & Dry  
: Mini Moisture Trap

**Chemical Name** : Calcium Chloride 82%  
**Synonyms** : Calcium Chloride, dihydrate: Calcium (II) Chloride: Calcium Chloride: Klorcalcium: Kalcium (II) klorid: Kalciumdiklorid

### EMERGENCY ONLY

**TELEPHONE NUMBER** : R. Davis

**Telephone No** : 07836 526420

**Formula** : CaCl<sub>2</sub>

**Molecular Mass** :

## 2. Composition/information on ingredients

**Ingredient** : Calcium Chloride (CAS No.10043-52-4) Classification Xi, 36

## 3. Hazards identification

**Human health hazards** : The product may act as an irritant in the eyes. Spillages cause risk of slipperiness. The product may dry out mucous membranes

## 4. First-aid measures

### First-Aid measures

**General** : Bring the patient to fresh air and safety.  
**Inhalation** : Remove to fresh air.  
**Ingestion** : Drink plenty of water . Contact doctor if major amounts have been swallowed.  
**Skin Contact** : Wash the skin with water and soap. Contact a doctor if skin irritation appears.  
**Eye Contact** : Rinse immediately with plenty of water for 10-15 minutes and with the eye lids wide apart Remove contact lenses first if applicable,. Use lukewarm water if possible. Contact a doctor if irritation occurs..

## 5. Fire-fighting measures

**Extinguishing Media** : Not combustible. Use extinguishing media appropriate to the surrounding fire.  
**Extinguishing media to be avoided** : None  
**Special fire-fighting procedures** : None.  
**Protection of fire-fighters** : Chemical protective suit and self breathing apparatus..  
**Unusual fire and explosion hazards** : When heated to decomposition toxic fumes/gases of hydrochloric acid/hydrogen chloride may be formed.

## 6. Accidental Release Measures

**Personal Precautions** : Normal protective clothing is sufficient. Wear rubber boots.  
**Environmental Precautions** : Prevent release to ground, air or water or drain by retaining dike or by covering the spillage with inorganic (inert) material e.g. sand, gravel or equivalent. Stop leakage. If the product contaminates sea, lakes or drains inform appropriate authorities in accordance with local regulations.  
**Methods of cleaning up** : Major spillage is carefully collected mechanically and put in a separate, resistant, container for later disposal, Minor spill and small remaining can be flushed down the drain with plenty of water.

## 7. Handling and Storage

**Handling** : Avoid formation of dust and that the product gets in contact with the skin.  
**Storage** : Store in properly sealed original packaging. Store the product under dry condition and away from moisture.  
**Other Information** : The product is hygroscopic

## 8. Exposure Controls/Personal Protection

<b>Occupational Exposure Limits</b>	: Ensure proper ventilation, especially in confined areas. Emergency shower and eye washing facilities should be within easy reach.
<b>Hygiene Measures</b>	: Wash Hands after handling compounds and before eating, smoking, using lavatory, and at the end of the day.
<b>Personal protection</b>	: Normal protective clothing is sufficient. Wear rubber boots.
<b>Respiratory Protection</b>	: Use a breathing apparatus with filter P2 when working at insufficient ventilation
<b>Eye Protection</b>	: Use protective glasses at dusty handling.
<b>Other Information</b>	: Wash contaminated clothing before reuse.

## 9. Physical and Chemical Properties

<b>Physical state</b>	: Flakes. Powder.
<b>Colour</b>	: White
<b>Odour</b>	: Odourless
<b>Boiling Point</b>	: >1600° C
<b>Melting Point</b>	: 772 °C
<b>Boiling Point</b>	: >1600° C
<b>Vapor Pressure</b>	: Insignificant
<b>Decomposition Point</b>	: >1600°C
<b>PH Solution</b>	: 9-10.5I 10% water-soluble
<b>Molar Weight</b>	: 111
<b>Bulkdensitet g/cm3</b>	: ca 0.75-1.0
<b>Density</b>	: 2.15
<b>Solubility in Water</b>	: 745g/l (20°C)

## 10. Stability and Reactivity

<b>Stability</b>	: The product is stable at normal handling. Protect from moisture..
<b>Materials to Avoid</b>	: Calcium Chloride reacts violently with a mixture of boron oxide and calcium oxide. A violent polymerization occurs if calcium chloride is mixed with methyl vinyl ether and bromine trifluoride
<b>Hazardous Decomposition</b>	: When heated to decomposition toxic fumes/gases of hydrochloric acid/hydrogen chloride may be formed.

## 11. Toxicological Information

<b>Acute Toxicological Information</b>	: Oral LD50 = 1000mg/kg Rabbit
<b>Acute dermal toxicity</b>	: LD50 = 2630 mg/kg.

## 12. Ecological Information

<b>Mobility</b>	: Soluble in water and mobile.
<b>Degradability</b>	: The product is not biodegradable (inorganic product)
<b>Bioaccumulation</b>	: This product does not bio-accumulate.
<b>Ecotoxicity</b>	: This product is not acute toxic for water organisms.
<b>Other Information</b>	: This product increases the water hardness.

## 13. Disposal Considerations

<b>Methods of Disposal</b>	: Contact local authorities for information if spill or waste cannot be recycled.
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## 14. Transport Information

**International Transport Regulations**  
NOT REGULATED

## 15. Regulatory Information

### Regulatory Information

<b>Classification</b>	: Irritant
<b>Label for Supply</b>	



<b>Risk Phrases</b>	: R36 – Irritating to eyes
<b>S-Phrases</b>	: S22 Do not breathe dust
	: S24 Avoid contact with the skin

**16 Other Information**

**Recommended Uses and Restrictions** : Please consult the product and/or application information for this product.

**HISTORY**

**Date of printing** : 9.9.2002  
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**Notice to Reader**

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Final determination of suitability of any material is the sole responsibility of the user. All materials my present unknown hazards and should be used with caution. Although certain hazards are described herein we cannot guarantee that these are the only hazards that exist.

KILROCK PRODUCTS LTD.