Section 1: Identification

Product / Chemical Name:
Moisture Test Kit / Calcium chloride, Anhydrous

Product Identification No: Calcium chloride, Anhydrous
Chemical Family: N/A
Trade Name and Synonyms: Calcium chloride, Anhydrous
Molecular Weight: N/A
Chemical Name: Calcium Chloride, Anhydrous
Chemical Formula: CaCl2
Material Use:

Distributor Name: Alpha Professional Tools®
Address: 103 Bauer Drive, Oakland, NJ 07436
Emergency Tel. No.: 800-648-7229

Section 2: Hazard(s) Identification

Potential Acute Health Effects
Hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.

Hazardous Ingredients C.A.S.N.A. or % by Weight
Calcium chloride, Anhydrous 10043-52-4 100%

Potential Chronic Health Effects
CARCINOGENIC EFFECTS: Not available.
MUTAGENIC EFFECTS: Not available.
TERATOGENIC EFFECTS: Not available.
DEVELOPMENTAL TOXICITY: Not available.
The substance may be toxic to heart, cardiovascular system, eyes.
Repeated or prolonged exposure to the substance can produce target organs damage.

Section 3: Composition/Information on Ingredients

The composition of these products is considered a trade secret. Specific components in these products will be revealed to qualified health professionals. The exposure limits given are those of the most limiting components.

Section 4: First-Aid Measures

Eye Contact: Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention.
Skin Contact: In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.
Serious Skin Contact: Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Serious Inhalation: Not available.
Ingestion: Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.
Serious Ingestion: Not available.
Hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.
Section 5: Fire-Fighting Measures

Flammability of the Product: Non-flammable.
Auto-Ignition Temperature: Not applicable.
Flash Points: Not applicable.
Flammable Limits: Not applicable.
Products of Combustion: Not applicable.
Fire Hazards in Presence of Various Substances: Not applicable.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available.
Risks of explosion of the product in presence of static discharge: Not available
Special Remarks on Fire Hazards: Not available.
Special Remarks on Explosion Hazards: Furan-2-peroxy-carboxylic acid + calcium chloride causes explosion at room temperature.

Section 6: Accidental Release Measures

Small Spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill: Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

Section 7: Handling and Storage

Do not ingest. Do not breathe dust. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label.

Keep container tightly closed. Keep container in a cool, well-ventilated area. Hygroscopic. Avoid contact with skin and eyes. Keep away from incompatible such as moisture.

Section 8: Exposure Controls/Personal Protection

Exposure Limits TWA: 5 (mg/m³) [Canada]

Engineering Controls: Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection: Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill: Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self-contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Section 9: Physical and Chemical Properties

Physical state and appearance Solid. (Granular solid.
Solid pellet. Crystalline powder. Crystalline solid.)
Odor: Odorless.
Taste: Saline.
Molecular Weight: 110.99 g/mole
pH (1% soln/water): 9 [Basic.]
Boiling Point: 1670°C (3038°F)
Melting Point: 772°C (1421.6°F)
Critical Temperature: Not available.

Specific Gravity: 2.15 (Water = 1)
Vapor Pressure: Not available.
Vapor Density: Not available.
Volatility: Not available.
Odor Threshold: Not available.
Water/Oil Dist. Coeff.: Not available.
Ionicity (in Water): Not available.
Dispersion Properties: See solubility in water, acetone.
### Section 10: Stability and Reactivity

**Stability:** The product is stable.

**Corrosivity:** Non-corrosive in presence of glass.

**Instability Temperature:** Not available.

**Special Remarks on Reactivity:** Hygroscopic.

**Conditions of Instability:** Incompatible materials, moisture.

**Special Remarks on Corrosivity:** Not available.

**Incompatibility with various substances:** Reactive with moisture.

**Polymerization:** Will not occur.

**Incompatibility with various substances:** Reactive with moisture.

**Special Remarks on Corrosivity:** Not available.

**Polymerization:** Will not occur.

**Special Remarks on Reactivity:** Hygroscopic.

**Conditions of Instability:** Incompatible materials, moisture.

**Incompatibility with various substances:** Reactive with moisture.

**Special Remarks on Corrosivity:** Not available.

**Polymerization:** Will not occur.

**Special Remarks on Reactivity:** Hygroscopic.

**Conditions of Instability:** Incompatible materials, moisture.

**Incompatibility with various substances:** Reactive with moisture.

**Special Remarks on Corrosivity:** Not available.

**Polymerization:** Will not occur.

**Special Remarks on Reactivity:** Hygroscopic.

**Conditions of Instability:** Incompatible materials, moisture.

**Incompatibility with various substances:** Reactive with moisture.

**Special Remarks on Corrosivity:** Not available.

**Polymerization:** Will not occur.

**Special Remarks on Reactivity:** Hygroscopic.

**Conditions of Instability:** Incompatible materials, moisture.

**Incompatibility with various substances:** Reactive with moisture.

**Special Remarks on Corrosivity:** Not available.

**Polymerization:** Will not occur.

**Special Remarks on Reactivity:** Hygroscopic.

**Conditions of Instability:** Incompatible materials, moisture.

**Incompatibility with various substances:** Reactive with moisture.

**Special Remarks on Corrosivity:** Not available.

**Polymerization:** Will not occur.

**Special Remarks on Reactivity:** Hygroscopic.

**Conditions of Instability:** Incompatible materials, moisture.

**Incompatibility with various substances:** Reactive with moisture.

**Special Remarks on Corrosivity:** Not available.

**Polymerization:** Will not occur.

**Special Remarks on Reactivity:** Hygroscopic.

**Conditions of Instability:** Incompatible materials, moisture.

**Incompatibility with various substances:** Reactive with moisture.

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**Special Remarks on Corrosivity:** Not available.

**Polymerization:** Will not occur.

**Special Remarks on Reactivity:** Hygroscopic.

**Conditions of Instability:** Incompatible materials, moisture.

**Incompatibility with various substances:** Reactive with moisture.

**Special Remarks on Corrosivity:** Not available.

**Polymerization:** Will not occur.
Section 14: Transport Information (non-mandatory)

DOT Classification: Not a DOT controlled material (United States).
Identification: Not applicable.
Special Provisions for Transport: Not applicable.
DOT (Pictograms):

Section 15: Regulatory Information (non-mandatory)

Federal and State Regulations: TSCA 8(b) inventory: Calcium chloride, Anhydrous
California Proposition 65 Warnings: California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: No products were found.
California prop. 65: This product contains the following ingredients for which the State of California has found to cause birth defects which would require a warning under the statute: No products were found.
Other Regulations:
EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances (EINECS No. 233-140-8).
Canada: Listed on Canadian Domestic Substance List (DSL).
China: Listed on National Inventory.
Japan: Listed on National Inventory (ENCS).
Korea: Listed on National Inventory (KECI).
Philippines: Listed on National Inventory (PICCS).
Australia: Listed on AICS.
Other Classifications:
WHMIS (Canada): CLASS D-2B: Material causing other toxic effects (TOXIC).
DSCL (EEC): R36- Irritating to eyes. S22- Do not breathe dust. S24- Avoid contact with skin.
HMIS (U.S.A.): Health Hazard 2 - Fire Hazard 0 - Reactivity 1 - Personal Protection C
National Fire Protection Association (U.S.A.) Health 2 - Flammability 0 - Reactivity 2 - Specific hazard

Section 16: Other Information

MSDS Code C3248
References: Not available.
Other Special Considerations: Not available.

SDS Creation Date: 6/26/2008.
Prepared By: Manufacturer’s Technical Services Department

Disclaimer
The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.