



STOLLER ENTERPRISES, INC.

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MORE POWER

MATERIAL SAFETY DATA SHEET (Rev. 5/Oct/2012)

SECTION I - PRODUCT IDENTIFICATION

Company Name: STOLLER ENTERPRISES, INC.

Address: 4001 W Sam Houston Pkwy N, Suite 100, Houston, TX 77043-1226 USA

Phone Number for Information: 1 (800) 539-5283 or 1 (713) 461-1493

Emergency Phone Number, CHEMTREC for Stoller Enterprises:

In the US and Canada call toll-free 1 (800) 424-9300

From other countries call collect: +1 (703) 527-3887

Chemical Family: fertilizers secondary nutrients.

Chemical Name & Synonyms: Calcium chloride solution in organic solvent

Formula: CaCl_2

Trade name & Synonyms: MORE POWER

SECTION II - COMPOSITION/INGREDIENTS INFORMATION

| A. COMPONENTS: | CAS Reg. No. | Approx. % | ACGIH TLV | RTECS No. |
|----------------------------|--------------|-----------|-----------|-----------|
| Calcium chloride, solution | 10043-52-4 | 50 - 52 | | EV9800000 |
| EL-104 | N/A | 48 - 50 | N/E | N/A |

SECTION III - HAZARD IDENTIFICATION

NFPA HAZARD RATINGS

HEALTH HAZARD 1 FIRE HAZARD 0 REACTIVITY 0

Based on the National Fire Protection Association rating system

(0 = Minimal; 1 = Slight; 2 = Moderate; 3 = High; 4 = Severe)

SARA/TITLE III HAZARD CATEGORIES (See Section XV)

Immediate (Acute) Health: YES

Delayed (Chronic) Health: NO

Reactive Hazard: NO

Sudden Release of Pressure: NO

Fire Hazard: NO

EXPOSURE LIMITS

OSHA Permissible Exposure Limit (PEL): TWA 10 mg/m^3 for CaCl_2

ACGIH Threshold Limit Value (TLV): Not Established (N/E)

EFFECTS OF OVEREXPOSURE

1.- ACUTE:

EYES: Contact with product may cause severe irritation, redness.

SKIN: May cause discomfort, skin irritation even rash unless treated promptly.

INHALATION: Exposure to low concentrations of vapors may cause irritation and soreness of throat and nasal passages, coughing, headache, nausea and dizziness.

INGESTION: May cause malaise, nausea, discomfort, stomachache, low blood pressure and rapid heartbeat. Large doses may cause gastrointestinal damage.

2.- CHRONIC: Expected toxicity hazard via skin contact: slight. Repeated or prolonged inhalation exposure can produce damage to respiratory tract, lungs, and effects on central nervous system (headaches, dizziness).

SECTION IV - FIRST-AID MEASURES**EMERGENCY FIRST AID PROCEDURES**

Victims of severe exposure to chemicals must be taken to health providing centers for medical attention. If necessary, also rescuers must be attended. Always bring with victim a copy of label and MSDS of product to health professional.

EYES: Immediately holding eyelids apart flush eyes with copious amounts of clean water for at least 15 minutes. Seek medical attention should severe irritation occurs.

SKIN: Wash off product from affected area with abundant soap and water. Remove contaminated clothing taking care not to impregnate eyes. Seek medical attention if irritation occurs.

INHALATION: Move patient to fresh air. Supplemental oxygen may be indicated if shortness of breath happens. Assure mucous does not obstruct airways. Call physician if patient breathing becomes difficult.

INGESTION: Immediately contact a physician or poison control center for treatment advice. Victim should drink milk, egg whites or large quantities of water and induced to vomiting. Never give anything by mouth to someone who is unconscious, having convulsions or unable to swallow.

SECTION V - FIRE AND EXPLOSION DATA

FLAMMABLE LIMITS: LEL: N/E UEL: N/E

EXTINGUISHER MEDIA: Product is non-flammable. Use any means suitable to fight surrounding fire.

SPECIAL FIRE FIGHTING PROCEDURES: None specific for this product, however, it is suggested that firefighters wear self-contained breathing apparatus (SCBA) and full protective equipment.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Not an explosion hazard.

HAZARDOUS DECOMPOSITION PRODUCTS: Possible toxic fumes under fire conditions.

SECTION VI - ACCIDENTAL RELEASE MEASURES**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED:**

In case of a large spill, immediately protect people evacuating all non-trained personnel and any general public. Isolate the area. Such releases should be responded to by trained personnel only, using pre-planned procedures.

In the event of an incidental release, minimum Personal Protective Equipment must be worn: latex or rubber gloves and boots, goggles, or full face-shield, vapors respirator and coveralls or long sleeved shirt and pants.

It is necessary to contain spill into the smallest area possible by diking, scooping, enclosing, etc., placing recovered liquid into an appropriate container and labeling it accordingly. If liquid is absorbed onto dry carrier such as sand or other absorbent material, then this material should be put in covered labeled containers and disposed of as a dry waste in accordance with Federal, State and Local waste disposal regulations.

SECTION VII - HANDLING AND STORAGE

All personnel who handle this material should be trained to work with it safely. Avoid contact with eyes, skin or clothing. Avoid breathing vapors or mists; use in a well-ventilated location or wear a respirator. Wash thoroughly after handling.

Store it in a cool, dry place, away from direct sunlight, sources of intense heat or where freezing is possible. Store it away from food, feed, clothing materials and living quarters.

Whenever possible, place chemicals on secondary containers or diked area. Inspect all containers before storage ensuring they are properly labeled and not damaged. Empty containers may contain residual liquid or vapors therefore, should be handled also with care. Keep containers tightly closed when not in use. Product must be kept in its original container, if repackaging for any reason, use vented caps. Keep away from children and domestic animals.

SECTION VIII - SPECIAL PROTECTION / CONTROL MEASURES

RESPIRATORY PROTECTION: Wear a NIOSH approved respirator with organic vapors cartridge.

VENTILATION: General ventilation is usually adequate. Local exhaust as well as ventilation fans could be used for safer, comfortable working conditions.

SKIN AND EYE PROTECTION: Safety glasses should be worn in any type of operation with chemicals. Protective gloves, long sleeved shirt and long pants, as well as protective shoes should be worn as a good safety practice.

OTHER CONTROL MEASURES: An eye bath and washing facilities should be readily available. Wash thoroughly after handling.

WORK/HYGIENIC PRACTICES: As a general rule, do not eat, drink, smoke nor chew gum or tobacco when handling chemicals. Wash thoroughly after handling this product.

SECTION IX - PHYSICAL AND CHEMICAL CHARACTERISTICS

APPEARANCE AND ODOR: Clear to light-amber liquid with a characteristic, stinky odor.
BOILING POINT: N/E **VAPOR PRESSURE (mm/Hg):** $\text{CaCl}_2 = 12 \text{ mm @ } 20^\circ\text{C (68}^\circ\text{F)}$
MELTING POINT: -N/E **VAPOR DENSITY (air = 1):** N/E
SPECIFIC GRAVITY: 1.185 to 1.20 **REACTIVITY IN WATER:** N/A
SOLUBILITY IN WATER: >99% **EVAPORATION RATE (n-Butyl Acetate = 1):** N/E
OTHER:

SECTION X - PHYSICAL HAZARDS (REACTIVITY DATA)

STABILITY: Stable: Yes Unstable:
CONDITIONS TO AVOID: None known.
INCOMPATIBILITY, MATERIALS TO AVOID: May react with sulfuric acid, ferrous metals.
HAZARDOUS DECOMPOSITION PRODUCTS: Toxic fumes under fire conditions.
HAZARDOUS POLYMERIZATION: N/A **MAY OCCUR:** **WILL NOT OCCUR:**

SECTION XI - TOXICOLOGICAL INFORMATION**TOXICITY DATA**

ORAL: LD_{50} (rats): Calcium Chloride = 2100 mg/kg; EL-104 = 2500 mg/kg
DERMAL: LD_{50} (rabbits): Calcium Chloride = >5000 mg/kg
INHALATION: LC_{50} (rats): Not Established

CARCINOGENICITY

No component listed as a carcinogenic by IARC, NTP, OSHA and ACGIH.

MUTAGENICITY: the components of this product are not reported to produce mutagenic effects in humans.

EMBRYOTOXICITY: the components of this product are not reported to produce embryotoxic effects in humans.

TERATOGENICITY: the components of this product are not reported to produce teratogenic effects in humans.

REPRODUCTIVE TOXICITY: the components of this product are not reported to produce reproductive toxicity effects in humans.

SECTION XII - ENVIRONMENTAL EFFECTS DATA

The available data on this material does not indicate any undue hazard to the environment under anticipated use and storage. All work practices must be aimed at preventing environmental contamination. Any waste due to spillage or leakage should be contained and disposed of accordingly, see above under Accidental Release Measures.

To aid our customers in complying with regulatory requirements, SARA Title III hazard categories for this product are indicated in Section III. If the word "YES" appears next to any category, this product may be reportable by you under the requirements of 40 CFR Part 370. Please consult those regulations for details.

SECTION XIII - DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHODS: Waste disposal must be done following all Federal, State and Local regulations. This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local waste regulatory authority.

EMPTY CONTAINERS: Empty containers may have residues (liquid and/or fumes) thus, handle them with care. Dispose properly according to regulations on empty containers in your locality or make available to a container reconditioning facility for recycling.

SECTION XIV - TRANSPORTATION DATA

DOT Proper Shipping Name and Hazard Class: Not Regulated
(Trade name: MORE POWER)

IATA Proper Shipping Name and Hazard Class: Not Regulated
(Trade name: MORE POWER)

IMO Proper Shipping Name and Hazard Class: Not Regulated
(Trade name: MORE POWER)

Placards / Markings: N/A

Emergency Response Guide Number: N/A **HazChem Code:** N/A

SECTION XV - REGULATORY INFORMATION

U. S. SARA REPORTING REQUIREMENTS: This product might be subject to the reporting requirements of Sections 302, 304 and 313 of Title III of the Superfund Amendments and Reauthorization Act:

U.S. SARA 302 (40 CFR 355, Appendix A): NO

U.S. SARA 304 (40 CFR Table 302.4): NO

U.S. SARA 311/312 (40 CFR 370): NO

U.S. SARA 313 (40 CFR 372.65): NO

U.S. SARA THRESHOLD PLANNING QUANTITY: NO

U.S. CERCLA REPORTABLE QUANTITY (RQ): NO

U.S. TSCA INVENTORY STATUS: The components of this material are listed on the TSCA Inventory.

CANADIAN DSL INVENTORY: The components of this material are listed on the DSL Inventory.

SECTION XVI - OTHER INFORMATION

Date of MSDS creation: August 29, 2011.

Date of MSDS revision: October 5, 2012. Supersedes all previous versions, including the one from March 22, 2012.

Sections revised: I, III, IV and VI

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