

KEYLATE® CALCIUM (3%)

Material Safety Data Sheet (rev.01/05)

**SECTION I PRODUCT IDENTIFICATION**

	<b>NFPA HAZARD RATINGS</b>
HEALTH HAZARD 0	FIRE HAZARD 0 REACTIVITY 0
	<b>SARA/ TITLE III HAZARD CATEGORIES</b>
Immediate (ACUTE) Health: none	Reactive Hazard: none
Delayed (Chronic) Health: none	Fire Hazard: none Sudden Release of Pressure: not applic
Company Name:	STOLLER USA, INC.
Address:	4001 W. Sam Houston Pkwy N., Suite 100 Houston, Texas 77043-1226 U.S.A.
Emergency Phone Number:	CHEMTREC: In the U.S. and Canada call Toll- free: 1(800)424-9300 From other countries call collect: 1(703)527-3887
Phone Number for Information:	1(800)539-5283 or 1(713)461-1493
Chemical Family:	metallic hydroxides
Formula:	See SECTION II COMPOSITION/ INGREDIENTS INFORMATION
Trade name & Synonyms:	<b>KEYLATE® CALCIUM (3%)</b>

**SECTION II PHYSICAL AND CHEMICAL CHARACTERISTICS**

INGREDIENTS:	CAS#	Approx. %	TLV
Dimethyl Aminopropylamine	109-55-7	1%	
Monoethanolamine	141-43-5	5%	
Calcium Hydroxide	1305-62-0	6%	

**SECTION III PHYSICAL AND CHEMICAL CHARACTERISTICS**

<b>BOILING POINT:</b>	220°F	<b>VAPOR PRESSURE (mm/ Hg):</b>	
<b>MELTING POINT:</b>	N/ A	<b>VAPOR DENSITY (air = 1):</b>	2.1
<b>SPECIFIC GRAVITY:</b>	1.15	<b>REACTIVITY IN WATER:</b>	N/ A
<b>SOLUBILITY IN WATER:</b>	100%	<b>EVAPORATION RATE:</b>	0.1
<b>APPEARANCE AND ODOR:</b>	Clear pale yellow solution, no odor.		
<b>PERCENT VOLATILE BY VOLUME:</b>		N/ A	
<b>pH:</b>	N/ A		
<b>MOLECULAR WEIGHT:</b>	N/ A		

**SECTION IV FIRE AND EXPLOSION DATA**

<b>FLASH POINT:</b>	NOT ESTABLISHED		
<b>FLAMMABLE LIMITS:</b>	NOT ESTABLISHED	<b>LEL: Not established</b>	<b>UEL: Not established</b>
<b>EXTINGUISHER MEDIA:</b>	Use all means suitable to fight surrounding fire.		
<b>SPECIAL FIRE FIGHTING PROCEDURES:</b>	NONE		
<b>UNUSUAL FIRE AND EXPLOSION HAZARDS:</b>	NONE		
<b>AUTOIGNITION TEMPERATURE:</b>	N/ A		

**SECTION V****PHYSICAL HAZARDS (REACTIVITY DATA)****STABILITY:****CONDITIONS TO AVOID:****INCOMPATIBILITY, MATERIALS TO AVOID:****HAZARDOUS DECOMPOSITION PRODUCTS:****MAY OCCUR:****WILL NOT OCCUR: X**

Stable: Yes

Unstable:

Stable under normal conditions.

Intimate mixtures with chlorinated rubber above 216°F.

None

**SECTION VI****HEALTH HAZARDS****A. EXPOSURE LIMITS:**

1. OSHA Permissible Exposure Limit (PEL): NOT ESTABLISHED

2. Threshold Limit Value (TLV): NOT ESTABLISHED

**B. CARCINOGEN OR POTENTIAL CARCINOGEN:****C. EFFECTS OF OVEREXPOSURE:**1. **ACUTE:****EYES:** May cause irritation.**SKIN:** May irritate skin.**INHALATION:** N/ S**INGESTION:** May cause thirst, pain, nausea, vomiting and diarrhea.**D. EMERGENCY FIRST AID PROCEDURES:****EYES:** Flush with water for at least 15 minutes.**SKIN:** Wash thoroughly with soap and water.**INHALATION:** N/ A**INGESTION:** Drink several glasses of water. Induce vomiting by introducing finger into throat.**SECTION VII****SPECIAL PRECAUTIONS & SPILL/ LEAK PROCEDURES****HANDLING AND STORAGE:** Keep containers closed and away from oxidizing agents. Store only in shipping container: Bulk material should be stored in Polyethylene Tanks with PVC fittings.**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED:** It is necessary to contain spill into the smallest area possible by diking, etc., replace liquid into plastic container. If liquid is absorbed onto dry carrier such as soil or absorbent material, then this material should be put in covered labeled containers and dispose of as a dry waste.**WASTE DISPOSAL METHODS:** Follow all applicable federal, state and local regulations.**SECTION VIII****SPECIAL PROTECTION / CONTROL MEASURES****RESPIRATORY PROTECTION:** Not specifically required.**LOCAL EXHAUST:** Provide general or local exhaust ventilation.**PROTECTIVE GLOVES:** Wear protective gloves and clothing impervious to this material.**EYE PROTECTION:** Use chemical goggles. Use full- face respirator when there is any likelihood of splashes.

**SECTION IX****ENVIRONMENTAL EFFECTS DATA**

The available data on this plant nutrient material does not indicate any undue hazard to the environment under anticipated use and storage. Any waste due to spillage or leakage should be contained and disposed of as a Fertilizer (see above under Waste Disposal Methods). Due to its nutrient value, may contribute to eutrophication in bodies of water.

**SECTION X****TRANSPORTATION DATA**

**PROPER SHIPPING NAME:** KEYLATE® CALCIUM

**DOT HAZARD CLASS:** Non- Hazardous Material; Non- Regulated Material

**PLACARD:** N/ A

**USDOT Proper Shipping Name:** N/ A

**IATA Proper Shipping Name:** N/ A

**IMO Proper Shipping Name:** N/ A

To aid our customers in complying with regulatory requirements, SARA Title III hazard categories for this product are indicated in Section I. 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.

Stoller Enterprises, Inc., believes the information contained in this material safety data sheet is accurate based on the information supplied by reputable suppliers of our raw materials. The information contained herein is furnished without warranty of any kind. Users should consider these data only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use and disposal of these materials and the safety and health of employees and customers.