

KEYLATE® SUPER STARTER MIX (1%)

Material Safety Data Sheet (rev.03/27)

SECTION I PRODUCT IDENTIFICATION

	NFPA HAZARD RATINGS
HEALTH HAZARD 0	FIRE HAZARD 0 REACTIVITY 0
SARA/ TITLE III HAZARD CATEGORIES	
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 Parkway, 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 oxides
Chemical Name & Synonyms:	KEYLATE MIXTURE
Formula:	See SECTION II COMPOSITION/ INGREDIENTS INFORMATION
Trade name & Synonyms:	KEYLATE® SUPER STARTER MIX (1%)

SECTION II PHYSICAL AND CHEMICAL CHARACTERISTICS

INGREDIENTS:	CAS#	Approx. %	TLV
Zinc Oxide	1314-13-2	<10	
Manganese Oxide	1344-43-0	<5	
Copper Hydroxide	20427-59-2	<5	
Magnesium Oxide	1309-48-4	<5	
Dimethyl Aminopropylamine	109-55-7	1	
Monoethanolamine	141-43141	16	

SECTION III PHYSICAL AND CHEMICAL CHARACTERISTICS

BOILING POINT:	220°F	VAPOR PRESSURE (mm/ Hg):	
MELTING POINT:	N/ A	VAPOR DENSITY (air = 1):	2.1
SPECIFIC GRAVITY:	1.25	REACTIVITY IN WATER:	N/ A
SOLUBILITY IN WATER:	100%	EVAPORATION RATE:	0.1
APPEARANCE AND ODOR:	clear dark blue- green solution, no odor.		

SECTION IV FIRE AND EXPLOSION DATA

FLASH POINT:	NOT ESTABLISHED		
FLAMMABLE LIMITS:	NOT ESTABLISHED	LEL:	UEL:
EXTINGUISHER MEDIA:	Use all means adequate to fight surrounding fire		
SPECIAL FIRE FIGHTING PROCEDURES:	NONE		
UNUSUAL FIRE AND EXPLOSION HAZARDS:	NONE		

SECTION V**PHYSICAL HAZARDS (REACTIVITY DATA)**

STABILITY:	Stable: Yes	Unstable:
CONDITIONS TO AVOID:	Stable under normal conditions	
INCOMPATIBILITY, MATERIALS TO AVOID:	Intimate mixtures with chlorinated rubber above 216°F	
HAZARDOUS DECOMPOSITION PRODUCTS:	none	
HAZARDOUS POLYMERIZATION:	N/ A	
MAY OCCUR: X	WILL NOT OCCUR:	

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/ A
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.
- E. ANIMAL TOXICITY DATA:**N/ A
- F. ADDITIONAL INFORMATION:**N/ A

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**

- LOCAL EXHAUST:** Provide general or local exhaust ventilation.
- SPECIAL VENTILATION:** Not applicable
- 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.
- OTHER SPECIAL CLOTHING/ EQUIPMENT:** Eye wash fountain should be located in immediate work area.

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® SUPER STARTER 4-1-1-1

DOT HAZARD CLASS: Non- hazardous material; Non- regulated material, Non- regulated material

PLACARD: N/ A

USDOT Proper Shipping Name: KEYLATE® SUPER STARTER 4-1-1-1

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.