

SETT Enhanced

Material Safety Data Sheet (rev.01/05)

SECTION I PRODUCT IDENTIFICATION

	NFPA HAZARD RATINGS
HEALTH HAZARD 1	FIRE HAZARD 0 REACTIVITY 0
	SARA/ TITLE III HAZARD CATEGORIES
Immediate (ACUTE) Health: NO	Reactive Hazard: NO
Delayed (Chronic) Health: NO	Fire Hazard: NO Sudden Release of Pressure: NO
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:	Mono Borate; calcium salts
Chemical Name & Synonyms:	Mixture of calcium and boron bases
Formula:	Proprietary
Trade name & Synonyms:	SETT ENHANCED

SECTION II PHYSICAL AND CHEMICAL CHARACTERISTICS

INGREDIENTS:	CAS#	Approx. %	TLV
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SECTION III PHYSICAL AND CHEMICAL CHARACTERISTICS

BOILING POINT:	220° F (104° C)	VAPOR PRESSURE (mm/ Hg):	
MELTING POINT:	N/ A	VAPOR DENSITY (air = 1):	N/ E
SPECIFIC GRAVITY:	1.27	REACTIVITY IN WATER:	N/ E
SOLUBILITY IN WATER:	100%	EVAPORATION RATE:	N/ E
APPEARANCE AND ODOR:	Brown liquid. Slight molasses odor.		
PERCENT VOLATILE BY VOLUME:	N/ A		

SECTION IV FIRE AND EXPLOSION DATA

FLASH POINT:	N/ A	LEL:	UEL:
FLAMMABLE LIMITS:	N/ A		
EXTINGUISHER MEDIA:	Any means to fight surrounding fire, like water, carbon dioxide (CO ₂), dry chemicals.		
SPECIAL FIRE FIGHTING PROCEDURES:	Firefighters should wear self- contained breathing apparatus.		
UNUSUAL FIRE AND EXPLOSION HAZARDS:	Toxic fumes may be generated at elevated temperatures, as under fire conditions.		

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

Stable: Yes

Unstable:

N/ A

N/ E

Chlorine at very high temperature.

None

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

1. OSHA Permissible Exposure Limit (PEL): N/ E

2. Threshold Limit Value (TLV): N/ E

B. CARCINOGEN OR POTENTIAL CARCINOGEN:

1. NPT: N/ A

2. IARC: N/ A

3. OSHA: N/ A

C. EFFECTS OF OVEREXPOSURE:**1. ACUTE:****EYES:** May cause irritation, possible injury.**SKIN:** Possible irritation.**INHALATION:** May cause irritation of nasal passages.**INGESTION:** Irritation of mucous membranes in mouth, throat, nausea, diarrhea.2. **CHRONIC:** Pulmonary irritation. Necrosis of cut or abraded skin.**D. EMERGENCY FIRST AID PROCEDURES:****EYES:** Rinse thoroughly with running water for 15 minutes. Seek medical attention.**SKIN:** Wash with soap and water. Rinse thoroughly. Seek medical attention if inflammation occurs. Do not attempt to neutralize with chemicals.**INHALATION:** Remove from exposure area. If irritation exists from mists, or in the event of massive inhalation, seek medical help.**INGESTION:** Drink excess water or milk. Induce vomiting. Seek medical attention.**SECTION VII****SPECIAL PRECAUTIONS & SPILL/ LEAK PROCEDURES****HANDLING AND STORAGE:** Keep containers closed and away from oxidizing agents. Store only in shipping container: Jugs (HDPE), Pails (HDPE, PVC), Drums (Polyethylene) and Mini Bulk tanks (Polyethylene).**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED:** It is necessary to contain spill into the smallest area possible by diking, ditching, etc. Replace liquid into plastic container. If liquid is absorbed onto dry carrier such as sand or absorbent material, then this material should be held in a dry containment area.**WASTE DISPOSAL METHODS:** Liquid should be applied to the soil as a fertilizer not to exceed 25 gallons per acre. Product absorbed onto dry carrier should be applied to soil as a fertilizer not to exceed 600 lbs, per acre. Follow all applicable federal, state and local laws and regulations concerning health and environment.**SECTION VIII****SPECIAL PROTECTION / CONTROL MEASURES****RESPIRATORY PROTECTION:** As required by conditions. Use an OSHA or NIOSH approved respirator if necessary.**VENTILATION:** General ventilation is usually adequate. Local exhaust should be used if needed for safe, comfortable working conditions. Working outdoors in the open or well ventilated area with this product is suggested.**PROTECTIVE GLOVES:** Use butyl rubber gloves or of any other impervious material.**WORK/ HYGIENIC PRACTICES:** Wash thoroughly after handling. Also wash clothing. Eye wash should be available.

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, not to exceed 3lbs. of actual Boron per acre (see above under Waste Disposal Methods). If discharged into the marine environment it may be toxic to fish and other marine organisms. Due to its nutrient value, may contribute to eutrophication in bodies of water.

SECTION X**TRANSPORTATION DATA**

PROPER SHIPPING NAME: SETT Enhanced

DOT HAZARD CLASS: NON- REGULATED, NON- HAZARDOUS

PLACARD: NOT REQUIRED

USDOT Proper Shipping Name: N/ A

IATA Proper Shipping Name: N/ A

IMO Proper Shipping Name: N/ A

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