

SETT

Material Safety Data Sheet (rev.01/05)

**SECTION I PRODUCT IDENTIFICATION**

	<b>NFPA HAZARD RATINGS</b>
HEALTH HAZARD 1	FIRE HAZARD 0 REACTIVITY 0
<b>SARA/ TITLE III HAZARD CATEGORIES</b>	
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
Chemical Name & Synonyms:	Mixture of calcium and boron bases
Formula:	Proprietary
Trade name & Synonyms:	<b>SETT</b>

**SECTION II PHYSICAL AND CHEMICAL CHARACTERISTICS**

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

<b>BOILING POINT:</b>	212° F	<b>VAPOR PRESSURE (mm/ Hg):</b>	
<b>MELTING POINT:</b>	N/ A	<b>VAPOR DENSITY (air = 1):</b>	N/ E
<b>SPECIFIC GRAVITY:</b>	1.37	<b>REACTIVITY IN WATER:</b>	N/ A
<b>SOLUBILITY IN WATER:</b>	100%	<b>EVAPORATION RATE:</b>	N/ E
<b>APPEARANCE AND ODOR:</b>	Dark brown liquid. Slight molasses odor.		
<b>PERCENT VOLATILE BY VOLUME:</b>		Not Established	

**SECTION IV FIRE AND EXPLOSION DATA**

<b>FLASH POINT:</b>		<b>LEL:</b>	<b>UEL:</b>
<b>FLAMMABLE LIMITS:</b>	N/ A		
<b>EXTINGUISHER MEDIA:</b>	Water, Carbon Dioxide (CO <sub>2</sub> ), Dry Chemicals.		
<b>SPECIAL FIRE FIGHTING PROCEDURES:</b>	Firefighters should wear butyl rubber boots and clothing. Wear self-contained breathing apparatus.		
<b>UNUSUAL FIRE AND EXPLOSION HAZARDS:</b>	Toxic fumes may be generated at elevated temperatures.		

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

<b>STABILITY:</b>	Stable: Yes	Unstable:
<b>CONDITIONS TO AVOID:</b>	N/ A	
<b>INCOMPATIBILITY, MATERIALS TO AVOID:</b>	N/ E	
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b>	Chlorine at very high temperatures.	
<b>HAZARDOUS POLYMERIZATION:</b>	None	
<b>MAY OCCUR: X</b>		<b>WILL NOT OCCUR:</b>

**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:** Irritation, possible injury.  
**SKIN:** Possible irritation.  
**INHALATION:** Irritation.  
**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.
- E. ANIMAL TOXICITY DATA:N/ A**
- Calcium chloride LD<sub>50</sub> (oral- rat): 1000 mg/ Kg  
Calcium chloride LD<sub>50</sub> (1pr- mouse): 280 mg/ Kg

**SECTION VII****SPECIAL PRECAUTIONS & SPILL/ LEAK PROCEDURES**

**HANDLING AND STORAGE:**Keep containers closed and away from oxidizing agents. Store only in shipping container: Pails (PVC), Drums (Polyethylene) and Mini Bulk tanks (Polyethylene). 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 held in a dry contained 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.

**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. Work outdoors in the open or well ventilated area with this product.

**PROTECTIVE GLOVES:** Use butyl rubber gloves.

**WORK/ HYGIENIC PRACTICES:** Wash thoroughly after handling. Also wash clothing.

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

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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**

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**PROPER SHIPPING NAME:** SETT

**DOT HAZARD CLASS:** NON- HAZARDOUS

**PLACARD:** NOT REQUIRED

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

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

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