



## STOLLER USA, INC.

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**SETT**

### MATERIAL SAFETY DATA SHEET (1/11)

#### SECTION I PRODUCT IDENTIFICATION

##### NFPA HAZARD RATINGS

HEALTH HAZARD 1      FIRE HAZARD 0      REACTIVITY 0

##### SARA/TITLE III HAZARD CATEGORIES (See Section IX)

Immediate (ACUTE) Health: NO      Reactive Hazard: No  
Delayed (Chronic) Health: NO      Sudden Release of Pressure: NO  
Fire Hazard: NO

Company Name: STOLLER USA, INC  
Address: 4001 West Sam Houston Pkwy N.  
Houston, Texas 77043 U.S.A.

**A. Emergency Phone Number: CHEMTREC 1-800-424-9300**

Phone Number for Information: 713-461-1493

Chemical Family: Mono Borate

Chemical Name & Synonyms: Mixture of calcium and boron bases

Formula: Proprietary

Trade name & Synonyms: **SETT**

#### SECTION II COMPOSITION/INGREDIENTS INFORMATION

| INGREDIENTS:  | CAS # | Approx % | TLV |
|---------------|-------|----------|-----|
| NON-HAZARDOUS |       |          |     |

#### SECTION III PHYSICAL AND CHEMICAL CHARACTERISTICS

|  |  |
|--|--|
| <b>BOILING POINT:</b> 212 °F   | <b>VAPOR PRESSURE (mm/Hg):</b> Not Established |
| <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/E                |
| <b>SOLUBILITY IN WATER:</b> 100%                                     | <b>EVAPORATION RATE:</b> N/E                   |
| <b>APPEARANCE AND ODOR:</b> Dark brown liquid. Slight molasses odor. |  |
| <b>OTHER:</b>  |  |

**SECTION IV FIRE AND EXPLOSION DATA****FLASH POINT:** N/A**FLAMMABLE LIMITS:** N/A**LEL:** **UEL:****EXTINGUISHER MEDIA:** Water, Carbon Dioxide (CO<sub>2</sub>), Dry Chemicals.**SPECIAL FIRE FIGHTING PROCEDURES:** Firefighters should wear butyl rubber boots and clothing.  
Wear self-contained breathing apparatus.**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Toxic fumes may be generated at elevated temperatures.**SECTION V PHYSICAL HAZARDS (REACTIVITY DATA)****STABILITY:** Stable: Yes Unstable:**CONDITIONS TO AVOID:** N/A**INCOMPATIBILITY, MATERIALS TO AVOID:** N/E**HAZARDOUS DECOMPOSITION PRODUCTS:** Chlorine at very high temperature**HAZARDOUS POLYMERIZATION:** None **MAY OCCUR:** **WILL NOT OCCUR:****SECTION VI HEALTH HAZARDS****EXPOSURE LIMITS**

OSHA Permissible Exposure Limit (PEL): N/E

Threshold Limit Value (TLV): N/E

**EFFECTS OF OVEREXPOSURE**1) **ACUTE****Inhalation:** Irritation.**Eyes:** Irritation, possible injury.**Ingestion:** Irritation of mucous membranes in mouth, throat, nausea, diarrhea.**Skin:** Possible irritation.2) **CHRONIC:**

Pulmonary irritation. Necrosis of cut or abraded skin.

**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.**ADDITIONAL INFORMATION:**

## Acute Toxicity Effects Data

Calcium chloride LD<sub>50</sub> (oral-rat): 1000 mg/KgCalcium 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.

**LOCAL EXHAUST:**

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

**OTHER VENTILATION NEEDS:**

**MECHANICAL:**

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

**EYE PROTECTION:** Use splash proof eye goggles. In emergency situations it is best to wear a full face shield. Eye wash should be available.

**OTHER SPECIAL CLOTHING/EQUIPMENT:** Wear clothing that covers the exposed skin area as much as possible.

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

**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

**DOT HAZARD CLASS:** NON-HAZARDOUS

**PLACARD:** NOT REQUIRED

Stoller USA, 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 determination 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.