

ALLMIGHTY

Material Safety Data Sheet (rev.01/05)

SECTION I
PRODUCT IDENTIFICATION

	NFPA HAZARD RATINGS HEALTH HAZARD 1 FIRE HAZARD 0 REACTIVITY 1 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:	sulfates
Chemical Name & Synonyms:	Ammonium sulfate; diammonium sulfate; sulfuric acid diammonium salt.
Formula:	(NH ₄) ₂ SO ₄
Trade name & Synonyms:	ALLMIGHTY

SECTION II
PHYSICAL AND CHEMICAL CHARACTERISTICS

INGREDIENTS:	CAS#	Approx. %	TLV
Ammonium Sulfate	7783-20-2	38-40	

SECTION III
PHYSICAL AND CHEMICAL CHARACTERISTICS

BOILING POINT:	Not established (N/ E)	VAPOR PRESSURE (mm/ Hg):	
MELTING POINT:	N/ E	VAPOR DENSITY (air = 1):	N/ A
SPECIFIC GRAVITY:	1.28	REACTIVITY IN WATER:	
SOLUBILITY IN WATER:	100%	EVAPORATION RATE:	N/ E
APPEARANCE AND ODOR:	Soluble		
	Light blue translucent liquid, with very slight ammonia odor.		

SECTION IV
FIRE AND EXPLOSION DATA

FLASH POINT:	Not flammable		
FLAMMABLE LIMITS:	N/ A	LEL: N/ A	UEL: N/ A
EXTINGUISHER MEDIA:	Use any means suitable to fight surrounding fire.		
SPECIAL FIRE FIGHTING PROCEDURES:	Wear protective clothing and self- contained breathing apparatus.		
UNUSUAL FIRE AND EXPLOSION HAZARDS:	Not considered to be a fire hazard. Flammable ammonia fumes, sulfates and nitrogen oxides may be released under fire conditions. May explode if mixed with strong oxidizers, such as potassium nitrate.		

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

STABILITY:	Stable: Yes	Unstable:
CONDITIONS TO AVOID:	N/ A	
INCOMPATIBILITY, MATERIALS TO AVOID:	Sodium hypochlorite, potassium chlorate, potassium nitrate, and other strong oxidizing materials.	
HAZARDOUS DECOMPOSITION PRODUCTS:	Ammonia fumes, Sulfur oxides and Nitrogen oxides.	
HAZARDOUS POLYMERIZATION:	Will not occur.	
MAY OCCUR:	WILL NOT OCCUR: X	

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: No
 2. IARC: No
 3. OSHA: N/ L
- C. EFFECTS OF OVEREXPOSURE:** Overexposure to this product by inhalation may cause coughing, shortness of breath, irritation of respiratory tract. If ingested, may cause diarrhea, headache, dizziness, nausea, vomiting. If on skin, redness, itching and pain may occur after prolonged o
1. **HEALTH CONSIDERATIONS:** It presents little toxicity unless large amounts are ingested. Irritating to eyes, respiratory tract gastrointestinal tract and skin.
- D. EMERGENCY FIRST AID PROCEDURES:**
- EYES:** IMMEDIATELY flush with a directed stream of water for at least 15 minutes forcibly holding eyelids apart to ensure complete irrigation of all eye and lid tissue. GET MEDICAL ATTENTION.
- SKIN:** Wash thoroughly with soap and water. Wash clothing before reuse. IF IRRITATION OCCURS, GET MEDICAL ATTENTION.
- INHALATION:** If symptoms develop, get person out of contaminated area to fresh air. Provide oxygen if breathing is difficult.
- INGESTION:** NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. Have patient drink several glasses of water then induce vomiting by having patient tickle back of throat with finger. Keep airways clear. GET MEDICAL ATTENTION IMMEDIATELY.
- E. ANIMAL TOXICITY DATA:**
- Oral LD₅₀ (rat): >2840 mg/ kg
- F. ADDITIONAL INFORMATION:** N/ A

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

HANDLING AND STORAGE: Keep containers closed and dry; protect against physical damage. Normal warehouse storage is satisfactory, but isolate from incompatible materials. For bulk storage, use drums/ tanks made of HDPE, carbon steel or stainless steel. Avoid excessively high temperatures and direct sunlight while stored. Avoid unnecessary contact with skin or clothing. Wash thoroughly after using.

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED: Wear appropriate protective equipment (e.g., boots, gloves, apron or coveralls, safety glasses or goggles, etc.). Contain and collect product in appropriate container for salvage or disposal. Absorb waste on inert media and dispose of as solid waste. Ventilate and wash area.

WASTE DISPOSAL METHODS: Dispose of product, waste materials and empty containers in compliance with all federal state and local laws concerning health and environment.

SECTION VIII**SPECIAL PROTECTION / CONTROL MEASURES**

RESPIRATORY PROTECTION: As required by conditions. Avoid breathing vapors, fumes or mist. Use an OSHA or NIOSH approved respirator if not working in well ventilated area.

VENTILATION: General ventilation is usually adequate. Local exhaust should be used if needed for safe, comfortable working conditions.

WORK/ HYGIENIC PRACTICES: N/ A

SECTION IX**ENVIRONMENTAL EFFECTS DATA**

Available data on the raw materials does not indicate an undue hazard to the environment under anticipated conditions of storage and use. 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 nutritional value, may contribute to eutrophication in bodies of water. 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.

SECTION X**TRANSPORTATION DATA**

DOT HAZARD CLASS: N/ A

PLACARD: N/ A

USDOT Proper Shipping Name: Not regulated (Trade name: ALLMIGHTY)

IATA Proper Shipping Name: Not regulated

IMO Proper Shipping Name: Not regulated

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