

KEY FEEDS DF Magnesium

Material Safety Data Sheet (rev.11/04)

**SECTION I**
**PRODUCT IDENTIFICATION**

<b>NFPA HAZARD RATINGS</b>	
HEALTH HAZARD 1	FIRE HAZARD 0
REACTIVITY 0	
Based on the National Fire Protection Association rating system (0 = Minimal; 1 = Slight; 2 = Moderate; 3 = High; 4 = Severe)	
<b>SARA/ TITLE III HAZARD CATEGORIES</b>	
Immediate (ACUTE) Health: NO	Reactive Hazard: NO
Delayed (Chronic) Health: YES	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:	NA - Mixture
Chemical Name & Synonyms:	Mixture of Magnesium Sulfate into complexing agent.
Formula:	Proprietary
Trade name & Synonyms:	<b>Key Feeds DF Magnesium</b>

**SECTION II**
**COMPOSITION/ INFORMATION ON INGREDIENTS**

INGREDIENTS:	CAS#	Approx. %	TLV
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**SECTION III**
**HAZARD IDENTIFICATION**

<p><b>A. EXPOSURE LIMITS:</b></p> <p>1. OSHA Permissible Exposure Limit (PEL): N/A</p> <p>2. Threshold Limit Value (TLV): N/A</p> <p><b>B. CARCINOGEN OR POTENTIAL CARCINOGEN:</b></p> <p>1. NPT: NO</p> <p>2. IARC: NO</p> <p>3. OSHA: NO</p> <p><b>C. EFFECTS OF OVEREXPOSURE: SIGNS &amp; SYMPTOMS NOF EXPOSURE:</b></p> <p><b>Possible irritation to eyes, nose and throat. Large doses may cause nausea, vomiting and diarrhea. Systemic oral toxicity is extremely rare and has consisted of acidosis and hypocalcemia tetanus.</b></p> <p>1. <b>ACUTE:</b></p> <p><b>EYES:</b> N/A</p> <p><b>SKIN:</b> N/A</p> <p><b>INHALATION:</b> N/A</p> <p><b>INGESTION:</b> N/A</p> <p><b>D. ADDITIONAL INFORMATION:</b>Decontamination procedure: Wash with water.</p>
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**SECTION IV**
**FIRST- AID MEASURES**

<p><b>A. EMERGENCY FIRST AID PROCEDURES:</b></p> <p><b>EYES:</b> Rinse thoroughly with water. If irritation occurs and persists, obtain medical attention.</p> <p><b>SKIN:</b> Wash thoroughly with soap and water.</p> <p><b>INHALATION:</b> Remove victim from exposure to fresh air. If breathing difficulties occur, get medical attention.</p> <p><b>INGESTION:</b> Rinse mouth and dilute stomach contents with water, or preferably with milk if available if victim is conscious. Seek medical attention.</p> <p><b>B. ANIMAL TOXICITY DATA:</b> N/A</p> <p><b>C. ADDITIONAL INFORMATION:</b> Decontamination procedure: Wash with water.</p>
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**SECTION V****FIRE AND EXPLOSION DATA**

<b>FLASH POINT:</b>	Non Flammable		
<b>FLAMMABLE LIMITS:</b>	Non Flammable	<b>LEL:</b>	<b>UEL:</b>
<b>EXTINGUISHER MEDIA:</b>	All methods necessary to fight surrounding fire.		
<b>SPECIAL FIRE FIGHTING PROCEDURES:</b>	None		
<b>UNUSUAL FIRE AND EXPLOSION HAZARDS:</b>	N/A		

**SECTION VI****ACCIDENTAL RELEASE MEASURES**

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED:** Material should be contained and placed in dry containers. The material can be disposed of by spreading on the soil as a fertilizer not to exceed 80 lbs per acre.

**SECTION VII****HANDLING AND STORAGE**

Store in dry area for product quality assurance. Material is hygroscopic.

**SECTION VIII****SPECIAL PROTECTION / CONTROL MEASURES**

**RESPIRATORY PROTECTION:** NIOSH/ MSHA approved respirator if airborne dust is expected.  
**VENTILATION:** Suggested  
**WORK/ HYGIENIC PRACTICES:** Usual good warehouse keeping procedure. Wash thoroughly after handling.

**SECTION IX****PHYSICAL AND CHEMICAL CHARACTERISTICS**

<b>BOILING POINT:</b>	Not Known	<b>VAPOR PRESSURE (mm/ Hg):</b>	Non volatile
<b>MELTING POINT:</b>	253° C	<b>VAPOR DENSITY (air = 1):</b>	Non volatile
<b>SPECIFIC GRAVITY:</b>	1.95	<b>REACTIVITY IN WATER:</b>	N/ A
<b>SOLUBILITY IN WATER:</b>	Complete.	<b>EVAPORATION RATE:</b>	N/ A
<b>APPEARANCE AND ODOR:</b>	Brown powder with sweet odor.		
<b>PERCENT VOLATILE BY VOLUME:</b>		N/ A	
<b>OTHER:</b>	Insoluble in Alcohol.		

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

<b>STABILITY:</b>	Stable: Yes	Unstable:
<b>CONDITIONS TO AVOID:</b>	None	
<b>INCOMPATIBILITY, MATERIALS TO AVOID:</b>	None	
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b>	None	
<b>POLYMERIZATION CONDITIONS TO AVOID:</b>	None	
<b>MAY OCCUR:</b>		
<b>WILL NOT OCCUR: X</b>		

**SECTION XI****TOXICOLOGICAL INFORMATION**

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- A. **TOXICITY DATA:**
- B. **CARCINOGENICITY:**
- C. **MUTAGENICITY:**
- D. **REPRODUCTIVE TOXICITY:**

**SECTION XII****ENVIRONMENTAL EFFECTS DATA**

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N/A

**SECTION XIII****DISPOSAL CONSIDERATIONS**

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**WASTE DISPOSAL METHODS:** Consult Federal, State, and local regulations.

**SECTION XIV****TRANSPORTATION DATA**

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**PROPER SHIPPING NAME:** Key Feeds DF Magnesium

**DOT HAZARD CLASS:** Non Regulated

**PLACARD:** None

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

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

**UN:** None

**Label Requirement:** None