

KEY FEEDS DF Copper

Material Safety Data Sheet (rev.11/04)

SECTION I
PRODUCT IDENTIFICATION
NFPA HAZARD RATINGS

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)

SARA/ TITLE III HAZARD CATEGORIES

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 copper sulfate and a complexing agent.
 Formula: Proprietary
 Trade name & Synonyms: **Key Feeds DF Copper (Fertilizer)**

SECTION II
COMPOSITION/ INFORMATION ON INGREDIENTS

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

- A. **EXPOSURE LIMITS:**
1. OSHA Permissible Exposure Limit (PEL): N/ A
 2. Threshold Limit Value (TLV): N/ A
- B. **CARCINOGEN OR POTENTIAL CARCINOGEN:**
1. NPT: No
 2. IARC: No
 3. OSHA: No
- C. **EFFECTS OF OVEREXPOSURE:**
1. **ACUTE:**
EYES: N/ A
SKIN: N/ A
INHALATION: N/ A
INGESTION: N/ A
- D. **ADDITIONAL INFORMATION:** Decontamination procedure: Wash with water.

SECTION IV
FIRST-AID MEASURES

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

SECTION V

FIRE AND EXPLOSION DATA

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

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

SECTION X

PHYSICAL HAZARDS (REACTIVITY DATA)

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

SECTION XI**TOXICOLOGICAL INFORMATION**

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

SECTION XIII**DISPOSAL CONSIDERATIONS**

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

SECTION XIV**TRANSPORTATION DATA**

PROPER SHIPPING NAME: Key Feeds DF Copper (Fertilizer)

DOT HAZARD CLASS: Non Regulated

PLACARD: None

IATA Proper Shipping Name: None

IMO Proper Shipping Name: None

UN: None

Label Requirement: None