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**MATERIAL SAFETY DATA
TECHNICAL INFORMATION**

SECTION I - IDENTIFICATION

CHEMICAL NAME AND SYNONYMS: Micronutrient Mixture

CHEMICAL FAMILY: Inorganic Chemical

PRODUCT USE: Fertilizer micronutrient for blending for soil application.

TRADE NAME: F 315 G

DESCRIPTION: 15% Cu, 15% Zn

SECTION II

<u>HAZARDOUS INGREDIENT</u>	<u>CAS NUMBER</u>	<u>THRESHOLD LIMIT VALUE</u>
Zinc Oxide	1314132	5.00 mg Zn/m3
Zinc Sulfate	7733020	5.00 mg Zn/m3
Copper Oxide	1317391	1.00 mg Cu/m3
Copper Sulfate	7758998	1.00 mg Cu/m3
Lead Sulfate	7446142	0.15 mg Pb/m3

EFFECTS- ACUTE EXPOSURE: Can cause irritation of skin, eyes, and respiratory system and nausea.

EFFECTS- CHRONIC EXPOSURE: Can cause damage to respiratory system, urinary system, blood system, and reproductive system.

SECTION III - NORMAL HANDLING PROCEDURES

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: NONE

PROTECTIVE EQUIPMENT: YES

RESPIRATORY PROTECTION: APPROVED RESPIRATOR PER 29 CFR 1910.134

EYES: GOGGLES

GLOVES: HEAVY-DUTY WORK GLOVES

OTHER: LONG-SLEEVED SHIRTS

VENTILATION REQUIREMENTS: ADEQUATE TO REMOVE DUST FROM THE AIR

NOTE: HANDS, ARMS AND FACE SHOULD BE WASHED PRIOR TO EATING, DRINKING, OR SMOKING.

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SECTION IV - EMERGENCY AND FIRST AID PROCEDURES

INHALATION: REMOVE TO FRESH AIR. SEEK MEDICAL ATTENTION IMMEDIATELY.
SKIN: FLUSH WITH WATER. IF IRRITATION DEVELOPS, CALL PHYSICIAN.
EYES: FLUSH WITH WATER FOR 15 MINUTES. SEEK MEDICAL ATTENTION IF IRRITATION PERSISTS.
INGESTION: SEEK MEDICAL ATTENTION IMMEDIATELY.

SECTION V - FIRE AND EXPLOSION HAZARD DATA

THIS PRODUCT IS NONCOMBUSTIBLE.

EXTINGUISHING MEDIA: THIS PRODUCT IS NOT A FLAMMABLE MATERIAL, BUT METALLIC FUME CAN BE RELEASED UNDER INTENSE HEAT.

SPECIAL FIREFIGHTING PROCEDURES OR FIRE HAZARD: DO NOT WASH MATERIAL INTO ANY STREAMS, WATERWAYS, DRAINAGE DITCHES OR STORM SEWERS, ETC. IMPOUND LIQUIDS USED IN FIREFIGHTING TO PREVENT ENTRY INTO STREAMS, DITCHES, SEWERS, ETC.

SECTION VI - SPILL AND LEAKAGE PROCEDURES

REMOVE ALL SOURCES OF IGNITION. WEAR NIOSH/OSHA APPROVED DUST RESPIRATORS. FOLLOW OSHA REGULATIONS FOR RESPIRATOR USE. (SEE 29 CFR 1910.134). SHOVEL OR SWEEP UP AND REUSE. USE APPROVED LIQUID SPRAY TO REDUCE DUST WHEN SWEEPING OR SHOVELING.

WASTE DISPOSAL METHOD: DISPOSE OF CONTAMINATED PRODUCT, EMPTY CONTAINERS AND MATERIALS USED IN CLEANING UP SPILLS AND LEAKS IN A MANNER APPROVED FOR THIS MATERIAL. CONSULT APPROPRIATE FEDERAL, STATE AND LOCAL REGULATORY AGENCIES TO ASCERTAIN PROPER DISPOSAL PROCEDURES.

SECTION VII - SHIPPING DATA

D.O.T. CLASS NONCOMBUSTIBLE

SECTION VIII - REACTIVITY DATA

STABLE: YES INCOMPATIBILITY: NONE CONDITIONS TO AVOID: NONE

SECTION IX - PHYSICAL DATA

THIS IS A SOLID MATERIAL WHICH IS PARTIALLY SOLUBLE IN WATER

ODOR & APPEARANCE: SLIGHT METALLIC ODOR, DARK BROWN GRANULE.
VAPOUR PRESSURE: N/A pH: 4-6.5
BOILING POINT: N/A SPECIFIC GRAVITY: 1.6