

MATERIAL SAFETY DATA SHEET

PRODUCT INFORMATION

PRODUCT NAME:

MULTI-PURPOSE MICRONUTRIENTS

MANUFACTURERS NAME:

AGRO-K CORPORATION

ADDRESS:

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Minneapolis, MN 55432-1844

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PRECAUTIONARY LABELLING:

Warning! Harmful if swallowed. Causes irritation.

Avoid contact with eyes, skin, and clothing.

Keep in tightly closed container. Wash thoroughly after handling.

HAZARDOUS INGREDIENTS

<u>Chemical Names</u>	<u>and %</u>	<u>CAS. # Exposure Limits in Air (give units)</u>		
		<u>ADGIH TLF</u>	<u>OSHA PEL</u>	<u>OTHERS</u>
Sodium Lignosulfonate		8061-51-6	None Established	
Ferrous Sulfate		7720-78-7	8-HR TWA 1 mg/m ³ Rat, Oral LD ₅₀ 1480 mg/kg	
Zinc Sulfate		7733-02-0	15mg/m ³	
Manganese Sulfate		7785-87-7	5 mg/m ³	
Copper Sulfate		7758-98-7	1 mg/m ³ infume, dust or mist	
Sodium Molybdate		7631-95-0	5 mg/m ³	
Boric Acid				

PHYSICAL DATA

BOILING POINT	N/A
SPECIFIC GRAVITY	1.16
SOLUBILITY IN WATER	N/A
VAPOR DENSITY (AIR = 1)	N/A
EVAPORATION RATE	N/A
MELTING POINT	N/A
APPEARANCE AND ODOR	Brownish black liquid

FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD)	N/A
EXTINGUISHING MEDIA:	Use extinguishing media appropriate for surrounding fire.

REACTIVITY DATA

STABILITY	Stable
CONDITIONS TO AVOID:	Contact with acids
INCOMPATIBILITIES:	Strong acids, magnesium, bromine trifluoride and trichloride

HEALTH HAZARD DATA

TOXICITY:	LD 50 (oral-rat) (mg/kg) - 1870
EFFECTS OF OVEREXPOSURE:	Contact with skin or eyes may cause sever irritation or burns.

EMERGENCY AND FIRST AID PROCEDURES:

If swallowed, if conscious, immediately induce vomiting. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Flush skin with water.

PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL

IS RELEASED OR SPILLED:

Flush spill area with water to dilute material.

WASTE DISPOSAL METHOD:

Dispose in accordance with local, state and federal environmental regulations.

PRECAUTIONS TO BE TAKEN IN

HANDLING AND STORING:

Keep in closed containers. Suitable for any general chemical storage area.

INDUSTRIAL PROTECTIVE EQUIPMENT

EYE/SKIN PROTECTION:

Safety glasses with side shields or goggles, uniform, rubber gloves.