



MATERIAL SAFETY DATA SHEET

SECTION I - PRODUCT IDENTIFICATION

PRODUCT NAME:	COPPER DEXTRO-LAC
MANUFACTURERS NAME:	AGRO-K CORPORATION
ADDRESS:	8030 Main Street N.E. Minneapolis, MN 55432-1844
TELEPHONE:	(763) 780-4116 / (800) 328-2418 FAX: (763) 780-4316
CHEMICAL NAME:	Chelated Salt of Copper
COMMON SYNONYMS	Saccharated Copper in an aqueous solution
FORMULA WEIGHT:	249.68
CAS No.:	7758-99-8
NIOSH/RTECS No.:	GL8900000

SECTION II - PRECAUTIONARY LABELING

WARNING: CAUSES IRRITATION. HARMFUL IF SWALLOWED.

Avoid contact with eyes, skin, and clothing.

Keep in tightly closed container.

Use with adequate ventilation. Wash thoroughly after handling.

International Labeling

Harmful if swallowed. Irritating to respiratory system and skin. After contact with skin, wash immediately with plenty of soap and water.

SAF-T-DATA:

Storage Color Code: Orange (general storage)

SECTION III - PHYSICAL DATA

Boiling Point:	N/A
Vapor Pressure (mmHg):	N/A
Vapor Density (air=1):	N/A
Specific Gravity:	1.14
(H ₂ O = 1)	
Evaporation Rate:	N/A
Solubility (H ₂ O):	Appreciable (>10%)
% Volatiles by Volume:	0
(21 degrees C)	
pH:	N/A
Odor Threshold (ppm):	N/A
Physical State:	Liquid
Coefficient Water/Oil Distribution:	N/A
Appearance & Odor	Blue & Odorless.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Extinguishing Media:	water
Toxic Gases Produced:	sulfur dioxide

SECTION V - HEALTH HAZARD DATA

MSDS – COPPER

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Threshold Limit Value (TLV/TWA):	1mg/m ³
TLV is for Copper, dusts and mists, as Cu.	
Short-term exposure limit (STEL):	not established
Permissible exposure limit (PEL):	1 mg/m ³
PEL is for Copper dust and mist, as Cu.	

Toxicity of components

Oral Rat LD 50 for Cupric Sulfate, 5-Hydrate

Effects of Overexposure

INHALATION:	Irritation of upper respiratory tract, irritation of mucous membranes
SKIN CONTACT:	Irritation
EYE CONTACT:	Irritation
INGESTION:	Nausea, vomiting, diarrhea, gastrointestinal pain
CHRONIC EFFECTS:	Blood damage

Emergency and First Aid Procedures

INGESTION:	CALL A PHYSICIAN. If swallowed, if conscious, give large amounts of water. Induce vomiting.
INHALATION:	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
SKIN CONTACT:	In case of contact, flush skin with water.
EYE CONTACT:	In case of eye contact, immediately flush with plenty of water for at least 15 minutes.

SECTION VI - REACTIVITY DATA

Stability:	Stable
Conditions to Avoid:	Heat
Incompatibles:	Strong reducing agents, strong oxidizing agents, magnesium
Decomposition Products:	Oxides of sulfur

SECTION VII - SPILL & DISPOSAL PROCEDURES

Disposal Procedure:	Dispose in accordance with environmental regulations.
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