

MATERIAL SAFETY DATA SHEET

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SECTION I – GENERAL INFORMATION

TRADE NAME	KOP-Hydroxide
CHEMICAL NAME	Copper Hydroxide
CHEMICAL FAMILY	Metallic Copper
EPA REG. NO.	19713-301
SIGNAL WORD	CAUTION

SECTION II – INGREDIENTS (Class = H (Hazardous), NH (Non-Hazardous))

NAME	CAS NO.	% (by wt.)	TLV	CLASS
Copper Hydroxide	20427-59-2	37.50	1 mg/m3	NH
Inerts	N/A	62.50	N/A	NH

SECTION III – PHYSICAL DATA

<u>Boiling Point</u>	>212°F	<u>Specific Gravity</u>	1.44 gm/ml
<u>Vapor Pressure</u>	Negligible	<u>% Volatiles</u>	N/A
<u>Vapor Density</u>	N/A	<u>Solubility in Water</u>	Dispersible
<u>pH</u>	8-9	<u>Appearance/Odor</u>	Blue suspension, no odor

SECTION IV – FIRE & EXPLOSION DATA

Flash Point	>200°F
Extinguishing Media	Dry chemical, CO ₂ , water spray or foam
Fire Fighting Procedures	Avoid breathing smoke, fumes or vapor. Fight fire from upwind. Assure self-contained breathing apparatus is worn. Prevent runoff from entering waterways.

SECTION V – REACTIVITY DATA

Stability	Stable
Conditions to Avoid	None known
Incompatibility	Sodium or potassium metals, strong acids
Hazardous Decomposition Products	Thermal decomposition may release toxic and/or hazardous gases
Hazardous Polymerization	Will not occur

SECTION VI – HEALTH HAZARD DATA

Carcinogenicity	N/A
Toxicity Data	Oral LD50 (Rat) = 1 gm/kg (Tech)
TLV	1 mg/m3
N.F.P.A.	Health: 3, Fire: 0, Reactivity: 0 (Rating: 4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Insignificant)
Effects of Overexposure	Irritation of upper respiratory tract, nausea, skin irritation, metal fume fever, vomiting, gastric pain, anemia, diarrhea.

SECTION VII – EMERGENCY PROCEDURES

If Swallowed: Drink promptly a large quantity of milk, egg white, gelatin solution or if these are not available, large quantities of water. Avoid alcohol.

If in Eyes: Flush with plenty of water. Call a physician.

If on Skin: Wash with plenty of soap and water. Call a physician if irritation persists.

If Inhaled: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

Note to Physician: Probable mucosal damage may contraindicate use of gastric lavage.

SECTION VIII- SPILL OR LEAK PROCEDURES

Steps to be taken in case of material leak or spill
Pick up spills with absorbent material and place in suitable containers. Assure that protective clothing is worn. Prevent runoff if possible.

Waste Disposal Method
Dispose of in accordance with Local, State, and Federal Regulations.

SECTION IX – SPECIAL PROTECTION INFORMATION

Respiratory Protection	NIOSH approved pesticide respirator
Ventilation	General recommended
Protective Gloves	Rubber impervious
Eye Protection	Chemical goggles
Other	Rubber boots, coveralls, long-sleeve shirt, apron

SECTION X – SPECIAL PRECAUTIONS

Precautions To Be Taken In Handling & Storage
KEEP OUT OF REACH OF CHILDREN. FOLLOW LABEL DIRECTIONS CAREFULLY.
Store away from foodstuffs.

D.O.T. Description	Non-Regulated
Freight Description	Agricultural Fungicide, Liquid, N.O.S.
Reportable Quantity	N/A
E.R.G. Guide Sheet	N/A

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