

# MATERIAL SAFETY DATA SHEET

Drexel Chemical Co.  
1700 Channel Avenue  
Memphis, TN 38113

Emergency Telephone No.  
(901) 774-4370  
1-800-424-9300 (ChemTrec)

## SECTION I – GENERAL INFORMATION

TRADE NAME	KOP-Hydroxide 50 W
CHEMICAL NAME	Copper Hydroxide
CHEMICAL FAMILY	Metallic Hydroxide
EPA REG. NO.	19713-321
SIGNAL WORD	DANGER

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

NAME	CAS NO.	% (by wt.)	TLV	CLASS
Copper Hydroxide	20427-59-2	77.00	1 mg/m3	NH
Inerts	N/A	23.00	N/A	NH

## SECTION III – PHYSICAL DATA

Boiling Point	N/A	Specific Gravity	28.0 lbs/ft 3
			gms/cc
Vapor Pressure	Negligible	% Volatiles	N/A
Vapor Density	N/A	Solubility in Water	Dispersible
pH	8.8 @ 5%	Appearance/Odor	Light-blue powder no odor

## SECTION IV – FIRE & EXPLOSION DATA

Flash Point	N/A
Extinguishing Media	Dry chemical, CO <sub>2</sub> , water spray or foam
Fire Fighting Procedures	Avoid breathing smoke, fumes or vapor. Fight fire from upwind. Assume self-contained breathing apparatus is worn. Prevent runoff from entering waterways.

## SECTION V – REACTIVITY DATA

Stability	Stable
Conditions to Avoid	Dust situations
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 in Eyes:** Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.

**If Swallowed:** Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious or convulsing person.

**If Inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.

**If on Skin or Clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes.

Call a poison control center or doctor for treatment advice. Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For information on this pesticide product, including health concerns, medical emergencies or pesticide incidents, call the National Pesticide Information Center at 1-800-858-7378.

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  
Sweep up spills carefully to minimize dusting. Pick up spills with absorbent material and place in suitable containers. Assume that protective clothing is worn.

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	Provide local exhaust and/or general dilution.
Protective Gloves	Chemical-resistant gloves
Eye Protection	Chemical goggles or full face shield
Other	Long-sleeved shirt and long pants, shoes plus socks

## 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, Solid, N.O.S.
Reportable Quantity	N/A
E.R.G. Guide Sheet	N/A

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