MATERIAL SAFETY DATA SHEET

Product Name: HERCULES B:O (ROOT DESTROYER)

DATE PREPARED: 01/31/92
DATE ISSUED: 04/30/02

ISSUED TO:
FIRST SUPPLY MADISON
6800 GISHOLT DRIVE
MADISON WI 53708

SECTION 1 - MATERIAL SAFETY INFORMATION SERVICE

Hercules Chemical Company, Inc.
111 South Street • Passaic, NJ 07055-7398
Information Phone: 800-221-9330

SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

HAZARDOUS COMPONENTS (Specific Chemical Identity: Common Names):

Copper Sulphate Pentahydrate (CAS 7758-99-9)

Copper Compounds are SARA 313 Reportable
Product Upper Bound Limit 98%

HMIS Hazard Rating: 2 0 0 E

SECTION 3 - PHYSICAL/CHEMICAL CHARACTERISTICS

B.OILING POINT
N/A

S.P. SPECIFIC GRAVITY (H2O = 1)
2.284

VAPOR PRESSURE (mm Hg)
N/A

MELTING POINT
N/A

SOLUBILITY IN WATER
Dissolves in water (0.2 gms/100 gams at 30 deg. C.)

APPEARANCE AND COLOR
Blue granular crystals. No odor.

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT
Non-Flammable

FLAMMABLE LIMITS
N/A

LEL
N/A

UEL
N/A

SECTION 5 - REACTIVITY DATA

STABILITY
Stable

CONDITIONS TO AVOID
High heat and reducing agents

INCOMPATIBILITY
(MATERIALS TO AVOID)

Contact with magnesium metal may generate dangerous level of hydrogen gas.

HAZARDOUS DECOMPOSITION
OR BYPRODUCTS
Above 500 deg. C SO2 may evolve; none at normal process temperature and pressures.

HAZARDOUS
POLYMERIZATION
Will not occur

SECTION 6 - HEALTH HAZARD DATA

ROUTES OF ENTRY

INHALATION: Yes/Primary
SKIN: Yes/Primary
INGESTION: Yes/Secondary

HEALTH HAZARDS (ACUTE AND CHRONIC)
May cause nose irritation. Chronic hazard is very rare except in individuals with Wilson's Disease.

CARCINOGENICITY:
NTP: NO
IARC MONOGRAPHS: NO
OSHA REGULATED: NO

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Local skin discoloration, itching, eye irritation, ulceration of nasal septum may occur. Repeated or prolonged skin contact may cause dermatitis.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

Wilson's Disease (Individual absorbs, retains and stores copper excessively).

EMERGENCY AND FIRST AID PROCEDURES

Treat most urgent symptoms first. Cessation of breathing, eye injury, skin contact, shock. In all cases seek medical attention. INHALATION: Move to fresh air, administer CPR, if required. EYES: Flush with large amounts of water at (CONTINUED IN SECTION "B" AT BOTTOM OF PAGE).

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Sweep up crystals or powder, vacuum is preferred. Prevent accidental entry of solution into streams and other bodies of water.

WASTE DISPOSAL METHOD

For disposal of large quantities of waste, consult appropriate Federal, State or Local officials.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Store in closed containers in cool, dry and well ventilated area away from heat sources & reducing agents. Use good housekeeping practice to prevent dust accumulation.

OTHER PRECAUTIONS

Avoid breathing dust or solution mist.

SECTION 8 - CONTROL MEASURES

RESPIRATORY PROTECTION (SPECIFY TYPE)

Where the possibility of dust exists use NIOSH/MSHA approved dust mask.

VENTILATION LOCAL EXHAUST Adequate SPECIAL N/A

MECHANICAL (GENERAL) N/A OTHER N/A

GLOVES Rubber

EYE PROTECTION Chemical goggles where splashing possible.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT None

WORK/HYGIENIC PRACTICES

Use good personal hygiene. Wash hands before eating. Avoid inhalation or ingestion.

-- SECTION "A" -- sulfate formed on water loss (white color). Anhydrous salt will ignite hydroxylamine if present. At temperature greater than 600 deg.C decomposes to cupric oxide and sulfur dioxide.

-- SECTION "B" -- least 15 minutes. Hold lids open during flushing. SKIN: Flush with large amounts of water at least 15 minutes. Remove contaminated clothing. INGESTION: May cause severe GI tract irritation. Give conscious victim 2-3 glasses of milk and water to drink. Induce vomiting in conscious person. Get medical attention.

-19-HERCULES R-D (ROOT DESTROYER)