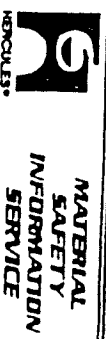


WATERBURY DATA SHEET 73

SECTION 4 MATERIAL SAFETY INFORMATION SERVICE

Product Name: HERCULES R-D (ROOT DESTROYER)  
Date: 06/18/86



Hercules Chemical Company, Inc.  
29 West 38 Street - New York, NY 10018-3595  
Information Phone 212-869-4300 - Ext 226

SECTION 2 HAZARDOUS INGREDIENT IDENTIFICATION INFORMATION  
Copper Sulfate Pentahydrate 1.0mg/m<sup>3</sup> (Dust/Mist)  
(CAS 7758-99-8) As Copper

SECTION 3 PHYSICAL CHEMICAL CHARACTERISTICS  
Boiling Point: 300 at 15 deg.C  
Melting Point: 110 at 110 deg.C

SECTION 5 REACTIVITY DATA  
Stability: Stable  
Hazardous Reactions: Contact with magnesium metal may generate dangerous heat or fire.

SECTION 6 HEALTH HAZARD DATA  
Toxicity: May cause nose irritation. Chronic hazard is very rare except in individuals with Wilson's Disease.

SECTION 7 WASTE DISPOSAL METHOD  
Waste Disposal Method: For disposal of large quantities of waste, consult appropriate Federal, State or local officials.

SIGNS AND SYMPTOMS OF EXPOSURE  
Localised skin discoloration, itching, eye irritation, ulceration of nasal septum may occur. Repeated or prolonged skin contact may cause dermatitis.

MEDICAL CONDITIONS USUALLY 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. CONTINUED IN SECTION 8 AT BOTTOM OF PAGE.

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE  
Steps to be taken to reduce dust: 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 STORAGE  
Store in closed containers in cool, dry and well ventilated area away from heat sources & reducing agents. Use good housekeeping practices to prevent dust accumulation.

SECTION 8 - CONTROL MEASURES  
Respiratory Protection: Use NIOSH/MSHA approved dust mask, where the possibility of dust exists.

VENTILATION LOCAL EXHAUST Adequate SPECIAL N/A

PERSONAL PROTECTIVE EQUIPMENT (PPE) RUBBER GLOVES, GOGGLES, SAFETY GLASSES, APRON, RESISTANT TO CHEMICALS ON EQUIPMENT. Avoid inhalation or ingestion.

SECTION 9 - PHYSIOLOGICAL DATA  
-- SECTION 9A -- 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 9B -- 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.

SECTION 10 - REGULATORY DATA  
-- SECTION 10A -- May cause nose irritation. Chronic hazard is very rare except in individuals with Wilson's Disease.

SECTION 11 - OTHER INFORMATION  
HERCULES R-D (ROOT DESTROYER)  
MATERIAL SAFETY DATA SHEET MEETS OSHA 29 CFR 1910.1200