



MATERIAL SAFETY DATA SHEET

DEXOL

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Dexol Bordeaux Powder
EPA REG. NUMBER: 5887-41-192
PRODUCT NUMBER: D0225

MANUFACTURER: Value Garden Supply
ADDRESS: P.O. Box 585, St. Joseph, MO 64502

MANUFACTURER PHONE: (888) 603-1008
MANUFACTURER FAX PHONE: (952) 884-6149
EMERGENCY PHONE: (800) 858-7378

PRODUCT USE: Controls blights, leaf spot, black rot, downy mildew, bud rot and other listed diseases.

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

<u>INGREDIENTS*:</u>	<u>CAS NO.</u>	<u>% WT</u>	<u>OSHA TWA</u>	<u>OSHA STEL</u>	<u>ACGIH TWA</u>	<u>ACGIH STEL</u>
copper sulfate	7758-98-7	12.75	NE	NE	1.0 mg/m ³	NE

* All ingredients in quantities > 1.0 % (0.1 % for carcinogens or teratogens) that are **potentially** hazardous per OSHA definitions

N/A = not applicable NE = not established

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Potential Health Effects

POTENTIAL HEALTH EFFECTS: This material may be very irritating to the eyes, skin and respiratory tract. Personnel responding to a spill of this material should wear appropriate protective clothing.

CARCINOGENICITY: None listed per OSHA, NTP, or IARC

SECTION 4: FIRST AID MEASURES

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call poison control center or doctor for treatment advice.

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 the poison control center or doctor

IF INHALED: Move Person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferable mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

SECTION 5: FIRE-FIGHTING MEASURES

FLASH POINT: N/A

AUTOIGNITION TEMPERATURE: N/A

EXTINGUISHING MEDIA: CO₂, dry chemical, foam

SPECIAL FIRE FIGHTING PROCEDURES: Use NIOSH/MSHA approved SCBA and bunker gear.

UNUSUAL FIRE AND EXPLOSION HAZARDS: hydrogen chloride, ethyl sulfide, nitrogen oxides, phosgene, sulfur dioxide



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NFPA HAZARD CLASSIFICATION:	<u>HEALTH</u> 1	<u>FIRE</u> 0	<u>REACTIVITY</u> 1	<u>SPECIFIC</u> NE
NFPA HAZARD RATING CODES:	<u>INSIGNIFICANT</u> 0	<u>SLIGHT</u> 1	<u>MODERATE</u> 2	<u>HIGH</u> 3 <u>EXTREME</u> 4

SECTION 6: ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Spills should be carefully swept, containerized and disposed of appropriately (see comments in Section 13). Scrub floor with a detergent solution and rinse with water.

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: Store away from heat, out of reach of children. Do not contaminate water, food or feed by storage or disposal. Do not freeze. Do not reuse container. Avoid excessive temperatures and direct sunlight. Store below 110°F.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: In typical applications no engineering controls should be needed

VENTILATION: General

RESPIRATORY PROTECTION: if industrial hygiene surveys show that occupational exposure limits may be exceeded, use NIOSH approved respirator with dust/mist cartridges

EYE PROTECTION: Recommended to avoid splashing of material directly into eyes

SKIN PROTECTION: Protective gloves recommended (contact of skin with copper sulfate can result in itching eczema)

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Bright blue	VAPOR PRESSURE (mmHg): NE
ODOR: N/A	VAPOR DENSITY (AIR =): NE
PHYSICAL STATE: Powder	SPECIFIC GRAVITY: NE
BOILING POINT: N/A	DENSITY: NE
MELTING POINT: N/A	PARTICAL SIZE: NE
FREEZING POINT: N/A	AUTO IGNITION: N/A
WATER SOLUBILITY: disperses	OTHER SOLUBILITIES: NE

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable

INCOMPATIBILITY (MATERIAL TO AVOID): excessive heat

HAZARDOUS POLYMERIZATION: BHC, Chlordane, dinitro compounds and dithiocarbamates, sodium hypobromite

SECTION 11: TOXICOLOGICAL INFORMATION

EFFECTS: Studies showed development of massive hemolysis with high levels of copper in the liver, kidney, and plasma in sheep treated orally with 20 mg copper sulfate pentahydrate/kg body wt/day within 7 weeks.

NOTE TO CONSUMERS: Information provided in this section is oriented to medical and public health professionals involved in the assessment and treatment of excessive and/or accidental exposures.



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SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY: May be hazardous to aquatic invertebrates. Do not apply directly to water; do not contaminate water by cleaning of equipment or disposal of washwaters.

ENVIRONMENTAL FATE: NE

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: This material (as packaged) is not considered a hazardous waste. Be aware that the waste owner has responsibility for final disposal. Regulations may also apply to empty containers, liners or rinsate. Laws may change or be reinterpreted; state and local regulations may be different from federal regulations. This information applies to materials as manufactured; contamination or processing may change waste characteristics and requirements.

SECTION 14: TRANSPORT INFORMATION

*DOT HAZARD DESCRIPTION: N/A

(*) U.S Department of Transportation

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS: N/A

EPA REGULATIONS: N/A

SARA TPQ: N/A

OSHA REGULATIONS: N/A

CERCLA: N/A

INDIVIDUAL STATES: States such as Pennsylvania, New Jersey, California, Vermont, Massachusetts and Rhode Island may all have components of this product listed; consult specific state regulatory requirements for additional information.

SECTION 16: OTHER INFORMATION

This information is provided in good faith, but without express or implied warranty. For additional information, refer to the American Conference of Governmental Industrial Hygienists (ACGIH) documentation of TLV's (Threshold Limit Values) for individual components and the DOT Emergency Response Guidebook.