



MATERIAL SAFETY DATA SHEET



SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Dexol Rose Guard Flower & Shrub Care
EPA REG. NUMBER: 192-211
PRODUCT NUMBER: D0326

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: Kills Damaging Insects, 6 Week Protection

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

<u>INGREDIENTS</u>	<u>CAS No.</u>	<u>% by weight</u>	<u>OSHA PEL</u>	<u>OSHA Ceiling</u>	<u>ACGIH TLV</u>
O,S-Dimethyl acetylphosphoramidothioate (Acephate)	30560-19-1	1.5	†	-	-
Propylene Glycol	57-55-6	<4	†	-	-
Diatomaceous Earth	60676-86-0	<43	†	-	3 mg/m3
Ammonium Phosphate	7722-76-1	<10	†	-	-
Diammonium Phosphate	7783-28-0	<10	†	-	-
Ammonium Sulfate	7783-20-2	<10	†	-	-
Potassium Sulfate	7778-80-5	<16	†	-	-
Iron Oxide	1309-37-1	<3	10 mg/m3	-	5 mg/m3
Magnesium Oxide	1309-48-4	<3	†	-	-
Magnesium Sulfate	7487-88-9	<1	†	-	-
Sodium Borate	1303-96-4	<1	†	-	-
Manganese Oxide	1317-35-7	<1	†	5 mg/m3	0.2 mg/m3
Manganese Sulfate	7785-87-7	<1	†	5 mg/m3	0.2 mg/m3
Zinc Oxide	1314-13-2	<1	†	-	10 mg/m3
Zinc Sulfate	7733-02-0	<1	†	-	-
Gypsum	13397-24-5	<5	†	-	-

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

** 10 mg/m³ + (%SiO₂+2)

† 5 mg/m³ as respirable dust

N/A = not applicable NE = not established

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: This material may be irritating to the eyes, to the respiratory tract and slightly irritating to the skin. May be harmful if absorbed through skin. Harmful if ingested. Causes reversible cholinesterase inhibition. Repeated overexposure may cause more severe cholinesterase inhibition with more pronounced signs and symptoms. Prolonged contact may cause nervous system damage. Contains probable or suspected human carcinogens. May aggravate pre-existing kidney disorders. Chronic exposure to dust may lead to silicosis. Personnel responding to a spill of this material **MUST** wear protective clothing to avoid skin contact or inhalation of particles to prevent toxic effects.

CARCINOGENICITY: May contain crystalline silica, a suspected human carcinogen.



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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.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: If symptoms of cholinesterase inhibition are present, atropine sulfate by injection is antidotal. 2-PAM is also antidotal and may be administered in conjunction with atropine. If ingested, monitor for acidosis and central nervous system changes. Persons with previous kidney dysfunction may require special treatment.

SECTION 5: FIRE-FIGHTING MEASURES

THERMAL DECOMPOSITION: Oxides of sulfur and nitrogen, phosphorus-containing compounds, ammonia, and other unknown hazardous materials may be formed in a fire situation. Incomplete combustion may lead to formation of carbon monoxide and/or other asphyxiants.

FLASH POINT: N/A

AUTOIGNITION TEMPERATURE: N/A

EXTINGUISHING MEDIA: Water, dry chemical or foam.

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

UNUSUAL FIRE AND EXPLOSION HAZARDS: May explode if mixed with oxidizers. Ammonia gas may be released in a fire.

NFPA HAZARD CLASSIFICATION:	<u>HEALTH</u> NE	<u>FIRE</u> NE	<u>REACTIVITY</u> NE	<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: Sweep up material carefully to avoid excessive dust. Reuse material if possible. If original containers are not available and material is not reusable, place in metal drum and seal. Dispose of in accordance with instructions in Section 13.

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: Storage: Store in closed, upright containers in a cool, dry, well-ventilated area out of reach of children. Do not contaminate water, food or feed by storage or disposal. Do not reuse container.

Handling: Avoid breathing vapor or dust. Avoid contact with skin or clothing. Remove pets before applying. Keep away from surface waters.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION: When applied in well ventilated area, respiratory protection should not be needed. Use air monitoring to determine required level of protection. Use NIOSH approved respirator with organic vapor cartridges with N/R/P100 particulate filters, or mechanical ventilation, if necessary.

EYE PROTECTION: Goggles or faceshield recommended



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DEXOL

SKIN PROTECTION: Protective gloves required; applicators should wear long pants and long-sleeved shirt. Wash outside of gloves with soap and water before removing. Wash hands before eating, drinking, chewing gum, using tobacco, applying cosmetics, or using the toilet. Remove clothing immediately if pesticide gets inside of clothing. Wash thoroughly and put on clean clothing.

WORK HYGIENIC PRACTICES: General

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Tan or gray granular	VAPOR PRESSURE (mmHg): N/A
ODOR: Sulfur Like Odor	VAPOR DENSITY (AIR =): N/A
PHYSICAL STATE: Solid	SPECIFIC GRAVITY: 57-59 lbs/ft ³
BOILING POINT: N/A	DENSITY: N/A
MELTING POINT: N/A	PARTICAL SIZE: N/A
FREEZING POINT: N/A	AUTO IGNITION: N/A
WATER SOLUBILITY: N/A	OTHER SOLUBILITIES: N/A

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable

INCOMPATIBILITY (MATERIAL TO AVOID): Avoid contamination with water, acids, alkalis, or oxidizers.

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID: Excessive heat or moisture

HAZARDOUS DECOMPOSITION PRODUCTS: Ammonia, inorganic oxides, aldehydes or lactic, pyruvic or acetic acids may form

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE ORAL EFFECTS: Oral Rat LD₅₀ = >5,000 mg/kg

ACUTE DERMAL EFFECTS: Dermal Rat LD₅₀ = >5,000 mg/kg

ACUTE INHALATION EFFECTS: Inhalation Rat LC₅₀ = >2.02 mg/liter of air

CARCINOGENICITY: May contain crystalline silica, a suspected human carcinogen.

EYE EFFECTS: Blurred vision

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.

Symptoms of overexposure may include: headache, blurred vision, nervousness, weakness, nausea, cramps, salivation, respiratory difficulty, muscle twitches, convulsions, loss of reflexes. Prolonged contact may cause nervous system damage. May aggravate pre-existing kidney disorders.

Not a contact sensitizer, non-irritating to skin, minimally irritating to eyes.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY: Do not apply directly to water; do not contaminate water by drift, runoff, or cleaning of equipment or disposal of washwaters.

ENVIRONMENTAL FATE: NE



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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:** Not regulated by DOT

(*) 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 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.