



MATERIAL SAFETY DATA SHEET

DEXOL

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Dexol Home Insect Killer 2
EPA REG. NUMBER: 192-221
PRODUCT NUMBER: D0103, D0147

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 insects, spiders and ticks.

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>
Cyfluthrin	68359-37-5	1%	NE	NE	NE	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: HUMAN EFFECTS AND SYMPTOMS OF OVEREXPOSURE: Exposure during the labeled use of this product is expected to be minimal. Consumers should refer to the packaging label for proper handling procedures. Sufficient exposure to cyfluthrin, the active ingredient in this product, may cause eye or skin irritation characterized by redness or itching. In addition, sufficient exposure to cyfluthrin may produce paraesthesia (a tingling or burning sensation on the surface of the skin). This is a frequently reported symptom associated with sufficient dermal exposure to alpha-cyano (or Type II) synthetic pyrethroids and normally subsides without treatment within 24 hours. Mucous membrane irritation involving the nose, throat and upper respiratory tract may occur from inhalation of aerosols containing cyfluthrin. Based on EPA Toxicity Category criteria, this product is mildly toxic by the oral and dermal routes of exposure. See Section 11 for additional toxicology information.

CARCINOGENICITY: This product is not listed by NTP, IARC or regulated as a carcinogen by OSHA.

SECTION 4: FIRST AID MEASURES

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 eye. Call a poison control center or doctor for treatment advice.

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

INGESTION: 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. Do not give anything to an unconscious person. Call a poison control center or doctor for further treatment advice.

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

SECTION 5: FIRE-FIGHTING MEASURES

FLASH POINT: Greater than 200 F (93 C)

AUTOIGNITION TEMPERATURE: N/A



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EXTINGUISHING MEDIA: Foam; Dry Chemical

SPECIAL FIRE FIGHTING PROCEDURES: Keep out of smoke. Cool exposed containers with water spray. Fight fire from upwind position. Use self-contained breathing equipment. Contain runoff by diking to prevent entry into sewers or waterways. Equipment or materials involved in pesticide fires may become contaminated.

UNUSUAL FIRE AND EXPLOSION HAZARDS: N/A

NFPA HAZARD CLASSIFICATION:	<u>HEALTH</u> 2	<u>FIRE</u> 1	<u>REACTIVITY</u> 0	<u>SPECIFIC</u> N/A
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: Isolate area and keep unauthorized people away. Do not walk through spilled material. Avoid breathing vapors and skin contact. Remove sources of ignition if combustible or flammable vapors may be present and ventilate area. Wear proper protective equipment. Dike contaminated area with absorbent granules, soil, sand, etc. If large spill, material should be recovered. Small spills can be absorbed with absorbent granules, spill control pads, or any absorbent materials. Carefully sweep up absorbed spilled material. Place in covered container for reuse or disposal. Scrub contaminated area with detergent and bleach solution and/or detergent and lye in water solution. Repeat. Rinse with water. Use dry absorbent material such as clay granules to absorb and collect wash solution for proper disposal. Contaminated soil may have to be disposed. Do not allow material to enter streams, sewers, or other waterways or contact vegetation.

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: Do not allow product to contaminate material which is intended for use or consumption by humans or animals.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: N/A

VENTILATION: Control exposure levels through the use of general and local exhaust ventilation.

RESPIRATORY PROTECTION: If needed, based on the conditions of use, wear a NIOSH-approved organic vapor respirator with particulate pre-filter.

EYE PROTECTION: Splash-proof goggles

SKIN PROTECTION: Long sleeves and trousers, Chemical-resistant gloves such as latex or nitrile

ADDITIONAL PROTECTIVE MEASURES: Clean water and soap should be available for washing in case of eye or skin contamination. Educate and train employees in safe use of the product. Follow all label instructions. Launder clothing separately after use. Wash thoroughly after handling.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: White/Off White

VAPOR PRESSURE (mmHg): 7.2x10⁻⁹ mm Hg @ 20° C

ODOR: Not noted

VAPOR DENSITY (AIR =): :

PHYSICAL STATE: Liquid

SPECIFIC GRAVITY: 1.00 @ 20/20 C

BOILING POINT: 100° C (212°F)

DENSITY: N/A

MELTING POINT: N/A

PARTICAL SIZE: N/A

FREEZING POINT: 32° F

AUTO IGNITION: N/A

WATER SOLUBILITY: >99%

pH: 4.9 @ 25 C



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SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable

INCOMPATIBILITY (MATERIAL TO AVOID): Alkaline or oxidizing media

HAZARDOUS POLYMERIZATION: Will not occur

SECTION 11: TOXICOLOGICAL INFORMATION

Acute toxicity studies have not been performed on this product as formulated containing 0.1% of the active ingredient, cyfluthrin. The acute toxicity data provided are from other cyfluthrin formulations. The acute eye irritation study has been performed on another formulation containing 0.1% active ingredient. All other acute toxicity data provided are from a formulation containing 24% active ingredient. The non-acute information pertains to cyfluthrin technical.

ORAL LD50: Male rat: 647 mg/kg - Female rat: 695 mg/kg

DERMAL LD50: Male and Female Rabbit: >2000 mg/kg

INHALATION LC50: 4 Hr Exposure to Liquid Aerosol: Male Rat: 0.716 mg/L (analytical) -- Female Rat: 0.924 mg/L (analytical); 1 Hr exposure to Liquid Aerosol: Rat: >2.029 mg/L (analytical)

EYE EFFECTS: Rabbit: Minimal irritation to the conjunctiva was observed with all irritation clearing within 24 hours post-treatment.

SKIN EFFECTS: Rabbit: Moderate dermal irritant.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY: This product is highly toxic to aquatic invertebrates and fish. As with any pesticide, this product should be used according to label directions and should be kept out of streams, lakes and other aquatic habitats of concern.

ENVIRONMENTAL FATE: NE

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Follow container label instructions for disposal of wastes generated during use in compliance with the FIFRA product label. In other situations, bury in an EPA-approved landfill or burn in an incinerator approved for pesticide destruction. Do not reuse container.

SECTION 14: TRANSPORT INFORMATION

***DOT HAZARD DESCRIPTION**

TECHNICAL SHIPPING NAME: Cyfluthrin

FREIGHT CLASS PACKAGE: Insecticides, NOI - NMFC 102100

PRODUCT LABEL: Not Noted

DOT (DOMESTIC SURFACE)

HAZARD CLASS OR DIVISION: Non-Regulated

IMO / IMDG CODE: (OCEAN)

HAZARD CLASS DIVISION NUMBER: Non-Regulated

ICAO / IATA: (AIR)

HAZARD CLASS DIVISION NUMBER: Non-Regulated

(*) U.S Department of Transportation



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SECTION 15: REGULATORY INFORMATION

OSHA STATUS: This product is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

TSCA STATUS: This product is exempt from TSCA Regulation under

FIFRA: Section 3 (2)(B)(ii) when used as a pesticide.

CERCLA REPORTABLE QUANTITY: None

SARA TITLE III: SECTION 302 EXTREMELY

HAZARDOUS SUBSTANCES: None

SECTION 311/312

HAZARD CATEGORIES: Immediate Health Hazard; Delayed Health Hazard

SECTION 313

TOXIC CHEMICALS: Cyfluthrin - 0.1% (CAS No. 68359-37-5)

RCRA STATUS: If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. (40 CFR 261.20-24)

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.