

SUSPEND* SC INSECTICIDE
DOWELANCO
INDIANAPOLIS, IN 46268-1189
EMERGENCY PHONE: 517-636-4400
General Phone: 1-800-352-6776
EPA Reg. Number: 432-763-62719
Effective Date: May 23, 1994
Product Code: 43334
MSDS Number: 004779

1. INGREDIENTS: (% w/w, unless otherwise noted)

(s)-alpha-cyano-3-phenoxybenzyl-(1R,3R)-3-(2,2-dibromovinyl)-2,2-dimethylcyclopropanecarboxylate
(Deltamethrin) CAS# 052918-63-5 4.75%
Other ingredients, total, including: 95.25%
Water CAS# 007732-18-5
Propylene glycol CAS# 000057-55-6
Proprietary surfactants

This document is prepared pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200). In addition, other substances not 'Hazardous' per this OSHA Standard may be listed. Where proprietary ingredient shows, the identity may be made available as provided in this standard.

2. PHYSICAL DATA:

BOILING POINT: Information not available; product water-based
VAPOR PRESSURE: Information not available
VAPOR DENSITY: Information not available
SOLUBILITY IN WATER: Suspendible in water
SP. GRAVITY: 1.05 gm/ml @ 20C, 68F
APPEARANCE: White liquid
ODOR: No characteristic odor
FREEZING POINT: Not applicable
pH: 6.6

3. FIRE AND EXPLOSION HAZARD DATA:

FLASH POINT: Greater than 200F, 93.3C
METHOD USED: Information not available
NOTE: Product is water-based
FLAMMABLE LIMITS:
LFL: Not determined
UFL: Not determined
EXTINGUISHING MEDIA: Foam, CO2, dry chemical, sand/earth.
FIRE AND EXPLOSION HAZARDS: Although product is water-based, toxic, irritating vapors may be formed if product is involved in fire.
FIRE-FIGHTING EQUIPMENT: Use positive pressure self-contained breathing apparatus and full protective clothing.

4. REACTIVITY DATA:

STABILITY: (CONDITIONS TO AVOID) Stable under normal storage and handling conditions.
INCOMPATIBILITY: (SPECIFIC MATERIALS TO AVOID) Strong oxidizing and reducing agents.
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide and other toxic, irritating vapors may be formed if product is involved in fire.
HAZARDOUS POLYMERIZATION: Will not occur.

5. ENVIRONMENTAL AND DISPOSAL INFORMATION:

ENVIRONMENTAL DATA: This product is extremely toxic to fresh water and estuarine fish and invertebrates. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Use with care when applying in areas adjacent to any body of water. Do not contaminate water when disposing of equipment washwater.
ACTION TO TAKE FOR SPILLS/LEAKS: Dike large spills. Keep out of streams and domestic water supplies. Absorb small spills with dry sand, earth, or other suitable inert material. Sweep up and place into container for disposal.
DISPOSAL METHOD: Wastes resulting from use of this product may be disposed of on site or at an approved waste disposal facility. Follow all local, state, and federal requirements for disposal.

6. HEALTH HAZARD DATA:

EYE: May cause slight eye irritation.
SKIN CONTACT: May cause slight skin irritation. May cause paresthesia, a numbness, burning, or tingling sensation of the skin, at the site of contact; effects should subside within 24 hours.
SKIN ABSORPTION: A single prolonged exposure is not likely to result in the material being absorbed through skin in harmful amounts. The LD50 for skin absorption in rabbits is expected to be greater than 10,000 mg/kg, based on components.
INGESTION: Single dose oral toxicity is low. The LD50 in rats is greater than 15,000 mg/kg. Small amounts swallowed incidental to normal handling operations are not likely to cause injury; swallowing amounts larger than that may cause injury.
INHALATION: Vapors may cause irritation of the upper respiratory tract (nose and throat). The LC50 for rats is expected to be greater than 1.02 mg/L, based on product composition.
SYSTEMIC (OTHER TARGET ORGAN) EFFECTS: Repeated excessive exposures may cause kidney, lung, and central nervous system effects.
CANCER INFORMATION: The active ingredient is not listed as a carcinogen or potential carcinogen by IARC, OSHA, or NTP.
TERATOLOGY (BIRTH DEFECTS): No relevant information found.
REPRODUCTIVE EFFECTS: No relevant information found.
MUTAGENICITY (EFFECTS ON GENETIC MATERIAL): No relevant information found.

7. FIRST AID:

EYES: Flush eyes with plenty of water. Get medical attention if irritation persists.
SKIN: Wash skin with plenty of soap and water. Remove contaminated clothing and wash before reuse. Get medical attention if irritation persists.
INGESTION: Do not induce vomiting. Call a physician or poison control center immediately.
INHALATION: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.
NOTE TO PHYSICIAN: This product contains a synthetic pyrethroid pesticide. If ingested and vomiting has not occurred, emesis should be induced with supervision. Keep patient's head below hips to prevent aspiration. If symptoms such as loss of gag reflex, convulsions, or unconsciousness occur before emesis, gastric lavage using a cuffed endotracheal tube should be considered.
Do not administer or instill milk, cream, or other substances containing vegetable or animal fats which enhance absorption of lipophilic substances. No specific antidote. Supportive care. Treatment based on judgment of the physician in response to reactions of the patient.
MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE: The available toxicological, physical, and chemical information for this material indicate that, in general, overexposure to this material is unlikely to aggravate existing medical conditions.

8. HANDLING PRECAUTIONS:

EXPOSURE GUIDELINE(S): Propylene glycol: AIHA WEEL is 50 ppm total, 10 mg/m3 aerosol only.

VENTILATION: Provide general and/or local exhaust ventilation to control airborne levels below the exposure guideline.

RESPIRATORY PROTECTION: Atmospheric levels should be maintained below the exposure guideline. If respiratory irritation is experienced, use an approved air-purifying respirator.

SKIN PROTECTION: Use apron, coveralls, and waterproof gloves to prevent contact with skin. Wear a face shield to protect face when there is the likelihood of splashes.

EYE PROTECTION: Wear chemical goggles to prevent contact with the eyes. When wearing face shield, use one which allows the use of chemical goggles.

9. ADDITIONAL INFORMATION:

SPECIAL PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Keep out of reach of children. Harmful if inhaled. Avoid breathing vapor or spray mist. Remove contaminated clothing and wash before reuse. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling and before eating, drinking, or smoking.

MSDS STATUS: New MSDS.

REGULATORY INFORMATION:

(Not meant to be all-inclusive---selected regulations represented.)

NOTICE: The information herein is presented in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ from one location to another; it is the buyer's responsibility to ensure that its activities comply with federal, state or provincial, and local laws. The following specific information is made for the purpose of complying with numerous federal, state or provincial, and local laws and regulations. See MSD Sheet for health and safety information.

SARA HAZARD CATEGORY: This product has been reviewed according to the EPA "Hazard Categories" promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories: Not to have met any hazard category

STATE RIGHT-TO-KNOW: The following product component is cited on certain state lists as mentioned. Non-listed components may be shown in Section 1 of the MSDS.

CHEMICAL NAME	CAS NUMBER	LIST
Propylene glycol	000057-55-6	PA1

PA1 = Pennsylvania Hazardous Substance (present at greater than or equal to 1.0%).

TOXIC SUBSTANCES CONTROL ACT (TSCA): All ingredients are on the TSCA inventory or are not required to be listed on the TSCA inventory.

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) RATINGS:

Category	Rating
Health	1
Flammability	0
Reactivity	0

The Information Herein Is Given In Good Faith, But No Warranty, Express Or Implied, Is Made. Consult DowElanco For Further Information.

*Trademark of DowElanco

