

Material Safety Data Sheet

Section 1 – Product Identification

Product Name:	D-Fense SC Insecticide	EPA Registration #:	53883-276
Manufacturer:	Control Solutions Inc. 5903 Genoa- Red Bluff Pasadena, TX 77507 281-892-2500	EPA Establishment #:	53883-TX-002

Section 2 – Chemical Composition

Material	CAS #	% by Weight	OSHA PEL/ACGIH TLV
Deltamethrin	52918-63-5	4.75%	None established
Inert Ingredients	Proprietary blend	95.25%	None established

Section 3 – Hazard Identification

Symptoms of Toxicity: **HAZARDS TO HUMANS & DOMESTIC ANIMALS CAUTION**
Harmful if inhaled. Avoid breathing vapor or spray mist. Contact with product may result in transient tingling and reddening of the skin. Remove contaminated clothing and wash before reuse.

Flammability: N/A

Reactivity: Stable under normal storage conditions.

Carcinogenicity: Not carcinogenic.

Section 4 – First Aid

Eye Contact: Flush eyes with water for 15 minutes. Seek medical attention if irritation persists.

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.

Ingestion: Call poison control center immediately. Do not induce vomiting unless directed to do so by physician.

Dermal Contact: Wash promptly with plenty of soap and water. Wash contaminated clothing.

Notes/Physician's Information: Contact SafetyCall® International (866) 897-8050 for emergency medical treatment information.

Section 5 – Fire and Explosion Hazards

Flash Point:	Non-flammable	Upper Flammability Limit:	N/A
Extinguishing Media:	Water fog, CO ₂ , foam, dry chemical	Lower Flammability Limit:	N/A
Special Procedures:	Use self-contained breathing apparatus. Cool fire exposed areas and equipment.		
Unusual Fire Hazards:	May release irritating and toxic gases due to thermal decomposition or combustion.		
Reactivity/Stability:	Stable. May release HCl, oxides of chlorine, CO, hydrogen and carbon. Avoid strong oxidizers and corrosives. Hazardous polymerization will not occur.		

Section 6 – Spill/Release Procedures

Absorbent:	Universal absorbent pads, vermiculite, or clay granules.
Containment:	Do not discharge into municipal wastewater or public storm drains. Eliminate runoff as much as possible.
Waste Disposal:	Dispose of waste material in municipal land-fill or through licensed TSDF. Open dumping is prohibited. Not an RCRA hazardous waste.
Reporting:	Report all major spills and uncontrolled releases to proper local, state, and federal agencies.
Emergency Contact #:	For chemical spills: Chemtrec: 1-800-424-9300

Section 7 – Storage and Handling Instructions

Do not contaminate water, food or feed by storage or disposal.

PESTICIDE STORAGE: Mix as needed. Store in original container in a secured dry storage area. Avoid extremes in temperatures. Prevent cross-contamination with other pesticides and fertilizers. If the container is leaking and/or material is spilled, on floor or paved surfaces absorb on sawdust or other commercially available absorbing material, sweep up and remove to chemical waste area for your disposal. Concentrate is stable at normal storage temperatures.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. Triple rinse (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Refillable containers: Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from the container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Section 8 – Protective Equipment/Engineering Controls

Eye Protection:	Avoid contact
Respiratory Protection:	None likely to be needed.
Dermal Protection:	Long sleeves, pants, shoes with socks.
Engineering Controls:	Use only in adequately ventilated areas.
Other Precautions:	Wash thoroughly after handling. Remove and wash clothing before reuse.

Section 9 – Physical Data

Odor:	Slight to Odorless	Melting Point:	N/A
Physical State:	Liquid	Flash Point:	N/A
Color:	White	Specific Gravity:	1.03-1.04 (g/ml)
Bulk Density:	N/A	pH:	4.5-6.0
Vapor Pressure:	N/A	Water Solubility:	Emulsifies
Viscosity:	1,000 – 1,600 cps	Refractive Index:	N/A

Section 10 – Toxicity

EPA Toxicity Category:	Caution	Oral LD ₅₀ :	> 5,000 mg/kg
Skin Contact:	No irritation	Dermal LD ₅₀ :	> 20,000 mg/kg
Eye Contact:	No irritaton	Inhalation LC ₅₀ :	>2 – 20 mg/kg
HMIS/NFPA Classification:	Fire - 0	Health - 1	
	Reactivity - 0	Special - none	
Other Comments:	Avoid cross contamination. Always wash hands thoroughly after handling pesticides and before eating, drinking, or smoking.		

Section 11 – Ecological Data

Aquatic:	Extremely toxic to fresh water and estuarine fish and invertebrates.
Avian:	LD ₅₀ Bobwhite quail- >2,250 mg/kg
Bioaccumulation:	Unknown.
Summary:	To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters.

Section 12 – Transportation

DOT:	Not DOT regulated.
IATA:	Not regulated.
IMDG:	UN3082, Environmentally hazardous substance, liquid, n.o.s. (4.75% deltamethrin), Class 9, PG III, marine pollutant
Federal Motor Carrier Classification:	Insecticide, Liquid, Other Than Agriculture N.O.I.B.N.

Section 13 – Regulatory

Section 302/TPQ: (emergency planning)	Contains no components listed under section 302.
Section 304/EHS RQ: (release notification)	Contains no components listed under section 304.
CERCLA RQ: (release notification)	Not regulated by CERCLA.
Section 311/Tier II: (MSDS submission)	Acute health hazard.
Section 313/TRI Chemicals:	4.75% deltamethrin, CAS #: 52918-63-5
RCRA Haz-Waste Code(s):	None
CAA TQ: (air emissions)	None

Section 14 – Other

NFPA and HMIS ratings assigned to this product are based on the hazards of its ingredient (s). Because the customer is most aware of the application of the product, he must ensure that the proper personal protective equipment (PPE) is provided consistent with information contained in the product MSDS.

The information provided on this Material Safety Data Sheet is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of Control Solutions, Inc. The data on this sheet relates only to the specific material designated herein. Control Solutions, Inc. assumes no legal responsibility for the accuracy or completeness of this data, nor for use or reliance upon this data.