

# SAFETY DATA SHEET

## D-Foam Insecticide

SDS # : 7094-A  
Revision date: 2021-02-17  
Format: NA  
Version 1.05



### 1. PRODUCT AND COMPANY IDENTIFICATION

#### Product Identifier

**Product Name** D-Foam Insecticide

#### Other means of identification

**Product Code(s)** 7094-A

**Synonyms** (1R,3R)-3(2,2-dibromovinyl)-2,2-dimethylcyclopropane carboxylic

**Active Ingredient(s)** Deltamethrin

**Chemical Family** Pyrethroid Ester Insecticide

#### Recommended use of the chemical and restrictions on use

**Recommended Use:** Insecticide

**Restrictions on Use:** Use as recommended by the label.

#### Supplier Address

FMC Corporation  
2929 Walnut Street  
Philadelphia, PA 19104  
(215) 299-6000 (General Information)  
SDS-Info@fmc.com (E-Mail General Information)

#### Emergency telephone number

Medical Emergencies :  
1 800 / 331-3148 (U.S.A. & Canada)  
1 651 / 632-6793 (All Other Countries - Collect)

For leak, fire, spill or accident emergencies, call:  
1 800 / 424-9300 (CHEMTREC - U.S.A.)  
1 703 / 741-5970 (CHEMTREC - International)  
1 703 / 527-3887 (CHEMTREC - Alternate)

### 2. HAZARDS IDENTIFICATION

#### Classification

#### **OSHA Regulatory Status**

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity - Oral	Category 4
Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Skin sensitization	Category 1

#### GHS Label elements, including precautionary statements

## EMERGENCY OVERVIEW

## Warning

## Hazard Statements

H302 - Harmful if swallowed

H317 - May cause an allergic skin reaction

H332 - Harmful if inhaled



## Precautionary Statements - Prevention

P264 - Wash face, hands and any exposed skin thoroughly after handling

P270 - Do not eat, drink or smoke when using this product

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray

P272 - Contaminated work clothing should not be allowed out of the workplace

P302 + P352 - IF ON SKIN: Wash with plenty of water and soap

P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention

P363 - Wash contaminated clothing before reuse

P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing

P312 - Call a POISON CENTER or doctor if you feel unwell

P301 + P312 - IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell

P330 - Rinse mouth

## Precautionary Statements - Disposal

P501 - Dispose of contents/container to an approved waste disposal plant

## Hazards not otherwise classified (HNOC)

No hazards not otherwise classified were identified.

## Other Information

Very toxic to aquatic life with long lasting effects. May be harmful in contact with skin.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Family Pyrethroid Ester Insecticide.

Chemical name	CAS-No	Weight %
Deltamethrin	52918-63-5	0.06
Petroleum gases, liquified, sweetened	68476-86-8	10-15
Petroleum distillates, hydrotreated light	64742-47-8	5-10
Acetyltri-n-butyl citrate	77-90-7	1-5

Synonyms are provided in Section 1.

## 4. FIRST AID MEASURES

## Eye Contact

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

## Skin Contact

If skin irritation occurs: Get medical advice/ attention. IF ON SKIN: Wash with plenty of

soap and water.

**Inhalation**

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

**Ingestion**

Clean mouth with water and afterwards drink plenty of water. Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.

**Most important symptoms and effects, both acute and delayed**

Allergic skin reactions. Central nervous system effects.

**Indication of immediate medical attention and special treatment needed, if necessary**

Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Small Fire**

Dry chemical. Carbon dioxide (CO<sub>2</sub>).

**Large Fire**

Water spray. Foam.

**Unsuitable extinguishing media**

Avoid heavy hose streams.

**Specific Hazards Arising from the Chemical**

None known

**Explosion data****Sensitivity to Mechanical Impact  
Sensitivity to Static Discharge**

No information available.  
No information available.

**Protective equipment and precautions for firefighters**

Wear self-contained breathing apparatus and protective suit. Isolate fire area. Evaluate upwind.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions**

Isolate and post spill area. Remove all sources of ignition. Ventilate the area. Wear suitable protective clothing, gloves and eye/face protection. For personal protection see section 8. If ventilation is not possible wear full protection suit and chemical protective equipment.

**Other**

For further clean-up instructions, call FMC Emergency Hotline number listed in Section 1 "Product and Company Identification" above.

**Environmental Precautions**

Keep people and animals away from and upwind of spill/leak. Keep material out of lakes, streams, ponds, and sewer drains. Keep out of waterways.

**Methods for Containment**

Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up**

Transfer damaged cartridges or cans to containers for later disposal. Clean and neutralize spill area, tools and equipment by washing with water and soap. Waste must be classified and labeled prior to recycling or disposal. Dispose of waste as indicated in Section 13. Rinsate may be disposed at a waste water treatment plant.

## 7. HANDLING AND STORAGE

**Handling**

Do not contaminate other pesticides, fertilizers, water, food, or feed by storage or disposal. BEWARE: Aerosol is pressurized. Keep away from direct sun exposure and temperatures over 130°F (56°C). Do not open by force or throw into fire even after use. Do not spray on flames or red-hot objects.

**Storage** Keep in a dry, cool and well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition. Keep out of reach of children and animals. Keep/store only in original container.

**Incompatible products** None known.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

Chemical name	British Columbia	Quebec	Ontario TWAEV	Alberta
Petroleum distillates, hydrotreated light (64742-47-8)	TWA: 200 mg/m <sup>3</sup> Skin	-	-	-

### Appropriate engineering controls

**Engineering measures** Apply technical measures to comply with the occupational exposure limits. When working in confined spaces (tanks, containers, etc.), ensure that there is a supply of air suitable for breathing and wear the recommended equipment.

### Individual protection measures, such as personal protective equipment

**Eye/Face Protection** If there is a potential for exposure to particles which could cause eye discomfort, wear chemical goggles.

**Skin and Body Protection** Minimize skin contamination by following good industrial hygiene practices. Wear suitable protective clothing. Protective shoes or boots.

**Hand Protection** Use protective gloves made of chemical materials such as nitrile or neoprene. Wash the outside of gloves with soap and water before reuse. Check regularly for leaks.

**Respiratory Protection** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Respiratory protection must be provided in accordance with current local regulations.

**Hygiene measures** Clean water should be available for washing in case of eye or skin contamination. Wash skin prior to eating, drinking, chewing gum or using tobacco. Shower or bathe at the end of working. Remove and wash contaminated clothing before re-use. Launder work clothing separately from regular household laundry.

**General information** If the product is used in mixtures, it is recommended that you contact the appropriate protective equipment suppliers. These recommendations apply to the product as supplied

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

**Appearance** Clear, Colorless Aerosolized liquid

**Physical State** Aerosol

**Color** Colorless

**Odor** No information available

**Odor threshold** No information available

**pH** 5.1

**Melting point/freezing point** Not applicable

**Boiling Point/Range** No information available

**Flash point** Non-flammable per flame projection test.

**Evaporation Rate** No information available

**Flammability (solid, gas)** No information available

**Flammability Limit in Air**

**Upper flammability limit:** No information available

Lower flammability limit:	No information available
Vapor pressure	No information available
Vapor density	No information available
Relative density	8.227 lb/gal
Specific gravity	No information available
Water solubility	insoluble
Solubility in other solvents	No information available
Partition coefficient	No information available
Autoignition temperature	No information available
Decomposition temperature	No information available
Viscosity, kinematic	No information available
Viscosity, dynamic	No information available
Explosive properties	No information available
Oxidizing properties	No information available
Molecular weight	No information available
Bulk density	No information available

## 10. STABILITY AND REACTIVITY

Reactivity	None under normal use conditions
Chemical Stability	Stable under recommended storage conditions.
Possibility of Hazardous Reactions	None under normal processing.
Hazardous polymerization	Hazardous polymerization does not occur.
Conditions to avoid	Excessive heat.
Incompatible materials	None known.
Hazardous Decomposition Products	None known based on information supplied.

## 11. TOXICOLOGICAL INFORMATION

### Product Information

LD50 Oral	500 -5000 mg/kg (rat)
LD50 Dermal	> 2000 mg/kg (rat)
LC50 Inhalation (dust)	> 2 mg/L (rat) 4 hr
Serious eye damage/eye irritation	Moderately irritating (rabbit).
Skin corrosion/irritation	Slightly or non-irritating (rabbit).
Sensitization	Sensitizer

Chemical name	LD50 Oral	LD50 Dermal	LC50 Inhalation (vapor)
Petroleum distillates, hydrotreated light (64742-47-8)	> 5000 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	> 5.2 mg/L ( Rat ) 4 h
Acetyltri-n-butyl citrate (77-90-7)	> 31500 mg/kg ( Rat )		

### Information on toxicological effects

Symptoms	Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.
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### Delayed and immediate effects as well as chronic effects from short and long-term exposure

Chronic toxicity	Deltamethrin: Repeated or prolonged exposure may cause central nervous system effects (decrease motor activity, tremor, difficulty breathing, impaired gait and choreoathetosis).
Mutagenicity	Deltamethrin: Not genotoxic in laboratory studies.
Carcinogenicity	Deltamethrin: No evidence of carcinogenicity from animal studies.
Neurological effects	Deltamethrin: Neurobehavioral effects (tremors) were observed in studies with animals.

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Reproductive toxicity	Deltamethrin: No toxicity to reproduction in animal studies.
Developmental toxicity	Deltamethrin: Not teratogenic in animal studies.
STOT - single exposure	Not classified.
STOT - repeated exposure	Not classified.
Target organ effects	Nervous system.
Neurological effects	Deltamethrin: Neurobehavioral effects (tremors) were observed in studies with animals.
Aspiration hazard	No information available.

Chemical name	ACGIH	IARC	NTP	OSHA
Deltamethrin 52918-63-5		Group 3		

### Legend:

**IARC (International Agency for Research on Cancer)**  
Group 3 - Not classifiable as to its carcinogenicity to humans

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Deltamethrin (52918-63-5)				
Active Ingredient(s)	Duration	Species	Value	Units
Deltamethrin	96 h LC50	Fish	0.26	µg/L
	48 h EC50	Crustacea	0.56	µg/L
	72 h EC50	Algae	9.1	mg/L
	21 d NOEC	Fish	0.032	µg/L
	21 d NOEC	Crustacea	0.0041	µg/L

Chemical name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates
Acetic Acid 64-19-7		96 h LC50: = 75 mg/L (Lepomis macrochirus) static 96 h LC50: = 79 mg/L (Pimephales promelas) static	24 h EC50: = 47 mg/L (Daphnia magna) 48 h EC50: = 65 mg/L (Daphnia magna) Static
Petroleum distillates, hydrotreated light 64742-47-8		96 h LC50: = 2.2 mg/L (Lepomis macrochirus) static 96 h LC50: = 2.4 mg/L (Oncorhynchus mykiss) static 96 h LC50: = 45 mg/L (Pimephales promelas) flow-through	96 h LC50: = 4720 mg/L (Den-dronereides heteropoda)
Alcohols (C12-15 Ln. saturated) ethoxylate 68131-39-5	72 h EC50 Pseudokirchneriella subcapitata: 0.75 mg/L	96 h LC50 fish: 1.3 mg/L 10 d NOEC Lepomis macrochirus: 0.16 mg/L	48 h EC50 Daphnia magna: 0.14 mg/L 21 d NOEC Daphnia magna: 0.77 mg/L
Acetyltri-n-butyl citrate 77-90-7		96 h LC50: 38 - 60 mg/L (Lepomis macrochirus) flow-through	

**Persistence and degradability** Deltamethrin: Non-persistent. Does not readily hydrolyze at pH 7 and 8. Readily hydrolyzed at pH 9. Not readily biodegradable.

**Bioaccumulation** Deltamethrin: The substance has a potential for bioconcentration.

**Mobility** Deltamethrin: Immobile; Not expected to reach groundwater.

## 13. DISPOSAL CONSIDERATIONS

**Waste disposal methods** Improper disposal of excess pesticide, spray mixture, or rinsate is prohibited. If these wastes cannot be disposed of by use according to label instructions, contact appropriate disposal authorities for guidance. Proper personal protective equipment, as described in Sections 7 and 8, must be worn while handling materials for waste disposal.

**Contaminated containers and packages** Containers must be disposed of in accordance with local, state and federal regulations. Refer to the product label for container disposal instructions.

## 14. TRANSPORT INFORMATION

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**DOT** Ship as Limited Quantity. Carton marks include Limited Quantity mark and orientation arrows.

**UN/ID no** UN1950  
**Proper Shipping Name** Aerosols, flammable  
**Hazard class** 2.1  
**Description** UN1950, Aerosols, flammable, 2.1, Limited Quantity

**TDG** Ship as Limited Quantity. Carton marks include Limited Quantity mark and orientation arrows.

**UN/ID no** UN1950  
**Proper Shipping Name** Aerosols, flammable  
**Hazard class** 2.1  
**Description** UN1950, Aerosols, flammable, 2.1, Limited Quantity

**ICAO/IATA** Ship as Limited Quantity. Carton marks include Limited Quantity mark and orientation arrows.

**UN/ID no** UN1950  
**Proper Shipping Name** Aerosols, flammable  
**Hazard class** 2.1

**IMDG/IMO** Ship as Limited Quantity. Carton marks include Limited Quantity mark and orientation arrows.

**UN/ID no** UN1950  
**Proper Shipping Name** Aerosols  
**Hazard class** 2.1  
**EmS No.** F-D, S-U  
**Description** UN1950, Aerosols, 2.1, Limited Quantity

**15. REGULATORY INFORMATION****U.S. Federal Regulations****SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**SARA 311/312 Hazard Categories**

<b>Acute health hazard</b>	Yes
<b>Chronic health hazard</b>	Yes
<b>Fire hazard</b>	Yes
<b>Sudden release of pressure hazard</b>	No
<b>Reactive Hazard</b>	No

**Clean Water Act**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

Chemical name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Acetic Acid 64-19-7	5000 lb			X

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

Chemical name	Hazardous Substances RQs	Extremely Hazardous Substances RQs
Acetic Acid	5000 lb	

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64-19-7	2270 kg	
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### FIFRA Information

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

#### CAUTION

Harmful If swallowed or absorbed through the skin. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

This product is toxic to fish.

## US State Regulations

### California Proposition 65

This product does not contain any Proposition 65 chemicals.

### U.S. State Right-to-Know Regulations

### International Inventories

Chemical name	TSCA (United States)	DSL (Canada)	EINECS/ELINC S (Europe)	ENCS (Japan)	China (IECSC)	KECL (Korea)	PICCS (Philippines)	AICS (Australia)
Deltamethrin 52918-63-5			X		X	X	X	X
Petroleum gases, liquified, sweetened 68476-86-8	X	X	X		X	X	X	X
Petroleum distillates, hydrotreated light 64742-47-8	X	X	X		X	X	X	X
Acetyltri-n-butyl citrate 77-90-7	X	X	X	X	X	X	X	X

### CANADA

Not applicable

## 16. OTHER INFORMATION

NFPA	Health Hazards 2	Flammability 1	Instability 0	Special Hazards -
HMIS	Health Hazards 2*	Flammability 1	Physical hazard 0	Personal Protection X

\*Indicates a chronic health hazard.

### NFPA/HMIS Ratings Legend

Severe = 4; Serious = 3; Moderate = 2; Slight = 1; Minimal = 0

Revision date: 2021-02-17  
Reason for revision: SDS sections updated.

### Disclaimer

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FMC Corporation

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**End of Safety Data Sheet**