

SAFETY DATA SHEET
D-Foam Insecticide

SDS # : 7094-A
Revision date: 2016-05-26
Format: NA
Version 1.04



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

Manufacturer Address

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

Emergency telephone number

For leak, fire, spill or accident emergencies, call:
1 800 / 424 9300 (CHEMTREC - U.S.A.)
1 703 / 527 3887 (CHEMTREC - Collect - All Other Countries)

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

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

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

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| | |
|---|--|
| Inhalation | Move to fresh air. If person is not breathing, call 911 (within the U.S. and Canada) 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. |
| Specific Hazards Arising from the Chemical | |
| Explosion data | |
| Sensitivity to Mechanical Impact | Not sensitive. |
| Sensitivity to Static Discharge | Not sensitive. |
| Protective equipment and precautions for firefighters | Wear self-contained breathing apparatus and protective suit. |

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 | See Section 12 for additional Ecological Information. |
| 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 bleach 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. 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 ³ 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 Wear suitable protective clothing. Protective shoes or boots.

Hand Protection Protective gloves

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 |
| 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 > 2 mg/L (rat) 4 hr

Serious eye damage/eye irritation Moderately irritating (rabbit).
Skin corrosion/irritation Slightly or non-irritating (rabbit).
Sensitization Sensitizer

Information on toxicological effects

Symptoms Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

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.

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 | | |

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 |

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|--|-----------|-----------|--------|------|
| | 72 h EC50 | Algae | 9.1 | mg/L |
| | 21 d NOEC | Fish | 0.032 | µg/L |
| | 21 d NOEC | Crustacea | 0.0041 | µg/L |

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.

Contaminated Packaging 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

DOT Ship as Limited Quantity per 49 CFR 173.1506. Shipping papers exempt per 49 CFR 172.200b3. Carton marks include Limited Quantity mark and orientation arrows.

UN/ID no UN1950
Proper Shipping Name Consumer commodity
Hazard class ORM-D
Description ORM-D, Consumer Commodity

TDG Ship as Limited Quantity. Carton marks include Limited Quantity and Class 9 Diamond.

UN/ID no UN1950
Proper Shipping Name Aerosols
Hazard class 2.2
Marine Pollutant Deltamethrin.

ICAO/IATA Carton Marks: Limited quantity air, orientation arrows, Class 9 Diamond, Consumer Commodity, ID8000

UN/ID no ID8000
Proper Shipping Name Consumer commodity
Hazard class 9

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

UN/ID no UN1950
Hazard class 2.2
EmS No. F-D, S-U
Marine Pollutant Deltamethrin

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

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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

| | |
|-----------------------------------|-----|
| Acute health hazard | Yes |
| Chronic health hazard | Yes |
| Fire hazard | No |
| Sudden release of pressure hazard | No |
| Reactive Hazard | 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 64-19-7 | 5000 lb 2270 kg | |

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/ELINCS (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 |

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| | | | | | | | | |
|--------------------------------------|---|---|---|---|---|---|---|---|
| Acetyltri-n-butyl citrate 77-90-7 | X | X | X | X | X | X | X | X |
|--------------------------------------|---|---|---|---|---|---|---|---|

Mexico - Grade Moderate risk, Grade 2

WHMIS Hazard Class A - Compressed gases
 D2B - Toxic materials



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 |

Revision date: 2016-05-26
 Reason for revision: Format Change

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End of Safety Data Sheet