PRECAUTIONARY STATEMENTS:

Hazardous to Humans & Domestic Animals

CAUTION: Harmful if swallowed or absorbed through the skin. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

FIRST AID: If Inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance. Give artificial respiration, preferably by mouth to mouth if possible. Call a poison control center or doctor for further treatment advice. If Skin or Clothing: 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. If In Eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. If Swallowed: Call a poison control center or doctor for treatment advice. If Swallowed: Call a poison control center or doctor for treatment advice. 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 by mouth to an unconscious person. Call a poison control center or doctor with you when calling. Call (980)678-5751 Monday through Friday 8:00am to 4:30pm EST. After 4:30pm, call your poison control center. For product information call (205)697-1812, Monday – Friday 8:00am to 5:00pm EST. Note to Physician: Contains petroleum distillate – vomiting may cause aspirating difficulties.

ENVIRONMENTAL HAZARDS: This product is toxic to fish. Do not apply directly to water. Some physical or chemical properties of the material may make disposal of the material, or its container, difficult. Before disposal consult a waste disposal service. Do not dispose in the vicinity of open flame or pilot lights.

DIRECTIONS FOR USE:

This is a violation of Federal law to use this product in a manner inconsistent with its labeling. This product has residual action which keeps on killing for up to 8 weeks after you spray. Remove pets, birds and cover fish aquariums before spraying. Hold sprayer upright. Do not spray up into air or directly spray away from treated area. Hold can at least 12-15 inches from surface being sprayed. Press button down and spray as directed. Spray surface to be treated until wet. Do not overspray. Remove contaminated clothing and wash before reuse. Store in a cool, dry area away from children. Do not store near heat or open flame. Do not store near children.

If In Eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses if present, after the last 1-2 minutes. Call a poison control center or doctor for further treatment advice. If on Skin or Clothing: 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.

Pests:

- Ants
- Birds
- Bed Bugs
- Carpet Beetles
- Cockroaches
- Crickets
- Crustaceans
- Domestic Mice
- Earwigs
- Fruit Flies
- Gnats
- Houseflies
- Lice
- Mosquitoes
- Small Flies
- Spiders
- Sowbugs
- Ticks
- Ticks and Many Other Crawling Insects
- Termites
- Ticks
- Trichogramma
- Ticks and Many Other Crawling Insects
- Voles
- Weeds
- White Flies
- Yard Grubs
- Yard Fleas
- Yard and Garden Pests
- Zygomyces

Residual Control

Protects Up to 8 Weeks

15% VOC Formulation

• Protects Up to 8 Weeks
• Keeps on Killing For Up to 8 Weeks
• For Indoor/Outdoor Use

Broad Spectrum Insect Control

KILLS: Ants, Bees, Bedbugs, Carpet Beetles, Centipedes, Cockroaches, Crickets, Fleas, Flies, Fruit Flies, Granary Beetles, Ground Beetles, Grubs, Millipedes, Moths, Mites, Pillbugs, Silverfish, Spiders, Ticks and Many Other Crawling Insects

Also Controls and Kills: Wood Infesting Pests - Termites (Subterranean, Formosan & Drywood) - Carpenter Ants and Carpenter Bees

For USE IN Food Handling Establishments, Including

Food Service, Manufacturing and Processing Establishments, Such as Restaurants, Cafeterias, Supermarkets, Bakeries, Breweries, Dairies, Meat, Poultry & Egg Processing & Packaging Plants, Canneries, Feed Handling Establishments

In Insect Manufacturing and Processing Establishments, Also For USE In Homes, Schools, Apartments, Attics, Altars, Automobiles, Basement, Bathrooms, Boats, Bottling facilities, Buses, Cabins, Candy Plants, Camps, Cat Sleeping Quarters, Clothing Storage, Condiments, Deck, Door, Garages, Daeotels, Granaries & Grain Mills, Hospitals, Industrial Buildings, Kitchens, Libraries, Lanes, Living Rooms, Mansions, Office, Parlors, Patios, Pet Sleeping Areas, Play Rooms, Ponds, Pools, Schools, Ships & Vessels, Solariums, Storage Areas, Sun Rooms, Truck, Trailers, Trunks, Utility Rooms, Vanitats, Warehouses and Wineries

ACTIVE INGREDIENTS: 10.00%

INERT INGREDIENTS: 90.00%

KEEP OUT OF REACH OF CHILDREN

CAUTION

See Back Panel for Additional Precautionary Statements


NET WEIGHT 14 oz. / 397 g
**Material Safety Data Sheet**

**D-Force Insecticide**

**SDS # : 7099-A**

**Revision Date: 2012-10-10**

**Version 2**

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This MSDS has been prepared to meet U.S. OSHA Hazard Communication Standard 29 CFR 1910.1200
and Canada’s Workplace Hazardous Materials Information System (WHMIS) requirements.

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### 1. PRODUCT AND COMPANY IDENTIFICATION

<table>
<thead>
<tr>
<th><strong>Product name</strong></th>
<th>D-Force Insecticide</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Active Ingredient(s)</strong></td>
<td>Deltamethrin</td>
</tr>
<tr>
<td><strong>Synonyms</strong></td>
<td>(1R,3R)-3(2,2-dibromovinyl)-2,2-dimethylcyclopropene carboxylic</td>
</tr>
<tr>
<td><strong>Chemical Family</strong></td>
<td>Pyrethroid Ester Insecticide</td>
</tr>
<tr>
<td><strong>Recommended use</strong></td>
<td>Insecticide</td>
</tr>
</tbody>
</table>

**Manufacturer**

FMC Corporation
Agricultural Products Group
1735 Market Street
Philadelphia, PA 19103

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

---

### 2. Hazards identification

- **Appearance**: Clear, colorless Aerosolized liquid
- **Physical state**: aerosol
- **Odor**: No information available.

**Potential health effects**

<table>
<thead>
<tr>
<th><strong>Acute effects</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Eyes</strong></td>
<td>May cause slight irritation.</td>
</tr>
<tr>
<td><strong>Skin</strong></td>
<td>Substance may cause slight skin irritation. May cause sensitization by skin contact.</td>
</tr>
<tr>
<td><strong>Inhalation</strong></td>
<td>May cause irritation of respiratory tract. May cause drowsiness and dizziness.</td>
</tr>
<tr>
<td><strong>Ingestion</strong></td>
<td>Harmful if swallowed. Potential for aspiration if swallowed. May cause central nervous system depression.</td>
</tr>
</tbody>
</table>

**Chronic effects**

Effects are expected to be similar to those that are seen with acute toxicity. Repeated or prolonged exposure may cause central nervous system effects. Chronic exposure to aromatic hydrocarbons may cause liver and kidney damage.

---

### 3. Composition/information on ingredients

**Hazardous ingredients**
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 treatment advice.

Inhalation
Move 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
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.

Notes to physician
Contains petroleum distillate. Vomiting may cause aspiration pneumonia. This product is a pyrethroid. If large amounts have been ingested, the stomach and intestines should be evacuated. Treatment is symptomatic and supportive. Digestible fats, oils, or alcohol may increase absorption and so should be avoided.

5. Fire-fighting measures

Flash Point
Flame extension: 35". Non-flammable per flame projection test.

Sensitivity to Mechanical Impact
not applicable

Sensitivity to Static Discharge
not applicable

NFPA
| Health Hazard | 0 |
| Flammability  | 1 |
| Stability     | 0 |
| Special Hazards | - |

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.

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

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.

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

Handling
Do not contaminate other pesticides, fertilizers, water, food or feed by storage or disposal.

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. Store in original container only.

8. Exposure controls/personal protection

Exposure guidelines

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH</th>
<th>Mexico</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon Dioxide 124-38-9</td>
<td>STEL: 30000 ppm</td>
<td>TWA: 5000 ppm TWA: 9000 mg/m³</td>
<td>IDLH: 40000 ppm TWA: 5000 ppm TWA: 9000 mg/m³ STEL: 30000 ppm STEL: 54000 mg/m³</td>
<td></td>
</tr>
<tr>
<td>Proprietary material</td>
<td>TWA: 200 mg/m³</td>
<td>Skin</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Occupational exposure 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.

Personal Protective Equipment

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.

Respiratory protection
For dust, splash, mist or spray exposures wear a filtering mask.

Eye/face protection
For dust, splash, mist or spray exposure, wear chemical protective goggles or a face-shield

Skin and body protection
Wear suitable protective clothing. Protective shoes or boots.

Hand protection
Protective gloves

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.

9. Physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Clear, colorless Aerosolized liquid</td>
</tr>
<tr>
<td>Color</td>
<td>Clear, colorless</td>
</tr>
<tr>
<td>Physical state</td>
<td>aerosol</td>
</tr>
<tr>
<td>Odor</td>
<td>No information available</td>
</tr>
<tr>
<td>pH</td>
<td>No information available</td>
</tr>
<tr>
<td>Melting Point/Range</td>
<td>No information available</td>
</tr>
<tr>
<td>Freezing point</td>
<td>No information available</td>
</tr>
</tbody>
</table>
D-Force Insecticide

10. Stability and reactivity

Stability
Stable.

Conditions to avoid
Excessive heat

Hazardous decomposition products
None known.

Hazardous polymerization
Hazardous polymerization does not occur.

11. Toxicological information

Eye contact
Non-irritating

Skin contact
Slightly or non-irritating (rabbit)

Ingestion
Potential for aspiration if swallowed. Vomiting after ingestion of this product may cause aspiration of aromatic hydrocarbons into the lungs, which may result in fatal pulmonary edema.

Inhalation
Aerosol expected to be irritating based on components. Inhalation of aromatic hydrocarbon vapors may cause dizziness, disturbances in vision, drowsiness, respiratory irritation, and eye, skin and mucous membrane irritation.

LD50 Dermal
> 2000 mg/kg (rat)

LD50 Oral
500 5000 mg/kg (rat)

LC50 Inhalation:
> 2 mg/L (rat)

Sensitization
Sensitizer

Chronic Toxicity - Other Ingredient(s)

Chronic Toxicity
Effects are expected to be similar to those that are seen with acute toxicity. Repeated or prolonged exposure may cause central nervous system effects. Chronic exposure to aromatic hydrocarbons may cause liver and kidney damage.

Carcinogenicity
Not carcinogenic.

Mutagenicity
Not mutagenic.

Reproductive toxicity
No toxicity to reproduction.

Neurological Effects
Neurobehavioral effects (tremors) were observed in studies with animals.

Developmental Toxicity
Not teratogenic in animal studies.

Chronic Toxicity - Other Ingredient(s)
Chronic exposure to aromatic hydrocarbons may cause headaches, dizziness, loss of sensations or feelings (such as numbness), and liver and kidney damage.
Toxicity to algae

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH</th>
<th>IARC</th>
<th>NTP</th>
<th>OSHA</th>
<th>NIOSH - Target Organs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon Dioxide</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>respiratory system,CVS</td>
</tr>
</tbody>
</table>

Ecotoxicity

Active Ingredient(s)

<table>
<thead>
<tr>
<th>Active Ingredient(s)</th>
<th>Duration</th>
<th>Species</th>
<th>Value</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deltamethrin</td>
<td>96 h LC50</td>
<td>Fish</td>
<td>0.00017</td>
<td>mg/L</td>
</tr>
<tr>
<td></td>
<td>LC50</td>
<td>Mollusk</td>
<td>0.0082</td>
<td>mg/L</td>
</tr>
<tr>
<td></td>
<td>LD50 Dietary</td>
<td>Mallard duck</td>
<td>8,039</td>
<td>ppm</td>
</tr>
<tr>
<td></td>
<td>LD50 Oral</td>
<td>Bobwhite quail</td>
<td>&gt;2,250</td>
<td>mg/L</td>
</tr>
</tbody>
</table>

Environmental Fate

Active Ingredient(s)

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Toxicity to algae</th>
<th>Toxicity to fish</th>
<th>Toxicity to microorganisms</th>
<th>Toxicity to daphnia and other aquatic invertebrates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proprietary material</td>
<td>LC50 45 mg/L Pimephales promelas 96 h LC50 2.2 mg/L Lepomis macrochirus 96 h LC50 2.4 mg/L Oncorhynchus mykiss 96 h</td>
<td></td>
<td>LC50 4720 mg/L 96 h</td>
<td></td>
</tr>
<tr>
<td>Naphtha (petroleum), light alkylate</td>
<td>30000 mg/L EC50 72 h (Pseudokirchneriella subcapitata)</td>
<td></td>
<td></td>
<td>LC50 2 mg/L 48 h</td>
</tr>
</tbody>
</table>

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

USDOT is requiring that products formerly classified as "Consumer Commodity, ORM-D" transition to "Limited Quantity" by 1/1/2014. During the transition period the 49CFR carton shipping marks may be Consumer Commodity (old) or Limited Quantity Diamond (new). Please prepare shipping documents to match the carton mark.

Packaging Type

14 oz. fill

Proper shipping name

Consumer Commodity
D-Force Insecticide

Hazard Class: ORM-D
UN/ID No: UN1950

TDG
Proper shipping name: Aerosols
Hazard Class: 2.2
UN/ID No: UN1950

ICAO/IATA
Proper shipping name: Consumer Commodity
Hazard Class: 2.2
UN/ID No: ID8000

IMDG/IMO
Proper shipping name: Aerosols
Hazard Class: 2.2
UN/ID No: UN1950
EmS No.: F-D, S-U

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
Acute Health Hazard: yes
Chronic Health Hazard: yes
Fire Hazard: no
Sudden Release of Pressure Hazard: no
Reactive Hazard: no

CERCLA
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

TSCA Inventory (United States of America)

International Regulations

Mexico - Grade
Moderate risk, Grade 2

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Mexico - Pollutant Release and Transfer Register - Reporting Emissions for Fabrication, Process or Use - Threshold Quantities</th>
<th>Pollutant Release and Transfer Register - Reporting Emissions - Threshold Quantities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon Dioxide</td>
<td>100000</td>
<td>100000 kg/yr</td>
</tr>
</tbody>
</table>

Canada
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.
WHIMIS Hazard Class: D2B Toxic materials
16. Other information

Revision Date: 2012-10-10
Reason for revision: Initial Release.

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End of Material Safety Data Sheet