

SAFETY DATA SHEET
Pounce 50EC

SDS # : 1849-A
Revision date: 2018-05-23
Format: NA
Version 1.03



1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name Pounce 50EC

Other means of identification

Product Code(s) 1849-A

Synonyms PERMETHRIN (FMC 33297): 3-phenoxybenzyl (1RS,3RS;1RS,3SR)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate or 3-phenoxybenzyl (1RS)-cis-trans-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate (IUPAC name); (3-phenoxyphenyl)methyl 3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate (CAS name)

Active Ingredient(s) Permethrin

Chemical Family Pyrethroid Pesticide

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)
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 / 741-5970 (CHEMTREC - International)
1 703 / 527 3887 (CHEMTREC - Alternate)

Medical Emergencies:
1 800 / 331-3148 (ProPharma Group - U.S.A. & Canada)
1 651 / 632-6793 (ProPharma Group - 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 |
| Carcinogenicity | Category 2 |
| Specific target organ toxicity (single exposure) | Category 2 |
| Specific target organ toxicity (repeated exposure) | Category 2 |
| Aspiration toxicity | Category 1 |
| Flammable liquids | Category 4 |

GHS Label elements, including precautionary statements**EMERGENCY OVERVIEW****Danger****Hazard Statements**

H302 - Harmful if swallowed

H304 - May be fatal if swallowed and enters airways

H332 - Harmful if inhaled

H351 - Suspected of causing cancer

H371 - May cause damage to organs

H373 - May cause damage to organs through prolonged or repeated exposure

Physical Hazards

H227 - Combustible liquid

**Precautionary Statements - Prevention**

P202 - Do not handle until all safety precautions have been read and understood

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

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

P271 - Use only outdoors or in a well-ventilated area

P260 - Do not breathe dust/fume/gas/mist/vapors/spray

P210 - Keep away from heat/sparks/open flames/hot surfaces. No smoking

P280 - Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response

P308 + P313 - If exposed or concerned: Get medical advice/attention

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

P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor

P331 - Do NOT induce vomiting

P330 - Rinse mouth

P370 + P378 - In case of fire: Use Foam. Carbon dioxide (CO2). Dry chemical. Water spray or fog. for extinction

Precautionary Statements - Storage

P405 - Store locked up

P403 + P235 - Store in a well-ventilated place. Keep cool

Precautionary Statements - Disposal

P501 - Dispose of contents/container according to label directions

Hazards not otherwise classified (HNOC)

No hazards not otherwise classified were identified.

Other Information

Very toxic to aquatic life with long lasting effects.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Family Pyrethroid Pesticide.

| Chemical name | CAS-No | Weight % |
|-------------------------------------|------------|----------|
| Permethrin | 52645-53-1 | 48.16 |
| Naphtha (petroleum), heavy aromatic | 64742-94-5 | 40-50 |
| Naphthalene | 91-20-3 | <4 |

Synonyms are provided in Section 1.

4. FIRST AID MEASURES

| | |
|---|---|
| Eye Contact | Flush eyes with water for at least 15 minutes. Get medical attention if eye irritation develops or persists. |
| Skin Contact | Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Get medical attention if irritation develops and persists. |
| Inhalation | Remove person to fresh air. If breathing is difficult or if discomfort occurs and persists, obtain medical attention. |
| Ingestion | Do NOT induce vomiting. Do not give any liquid to the person. Never give anything by mouth to an unconscious person. Immediate medical attention is required. |
| Most important symptoms and effects, both acute and delayed | None known. |
| Indication of immediate medical attention and special treatment needed, if necessary | This product contains aromatic hydrocarbons that can produce a severe pneumonitis if aspirated during vomiting. Treatment is otherwise controlled removal of exposure followed by symptomatic and supportive care |

5. FIRE-FIGHTING MEASURES

| | |
|--|---|
| Suitable Extinguishing Media | Foam, Dry chemical or CO2. Soft stream or water fog only if necessary. Contain all runoff. |
| Specific Hazards Arising from the Chemical | Moderately combustible. The product may form flammable mixtures with air when heated above the flash point. |
| Explosion data | |
| Sensitivity to Mechanical Impact | Not sensitive. |
| Sensitivity to Static Discharge | Not sensitive. |
| Protective equipment and precautions for firefighters | As in any fire, wear self-contained breathing apparatus and full protective gear. Isolate fire area. Evaluate upwind. |

6. ACCIDENTAL RELEASE MEASURES

| | |
|----------------------------------|--|
| Personal Precautions | Isolate and post spill area. Remove all sources of ignition. Wear suitable protective clothing, gloves and eye/face protection. For personal protection see section 8. |
| 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. |
| Methods for Containment | Dike to confine spill and absorb with non-combustible absorbent such as clay, sand or soil. |

Vacuum, shovel or pump waste into a drum and label contents for disposal.

Methods for cleaning up

To clean or neutralize spill area, tools and equipment, wash with a suitable solution of caustic or soda ash and an appropriate alcohol such as ethanol, methanol or isopropanol. Follow this by washing with a strong soap and water solution. Absorb, as above, any excess liquid and add to the drums of waste already collected. Dispose of waste as indicated in Section 13.

7. HANDLING AND STORAGE

Handling

Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists. Wash thoroughly after handling. Remove and wash contaminated clothing before re-use. Do not discharge to the environment. Do not contaminate water when disposing of equipment wash waters. Collect all waste material and remains from cleaning equipment, etc., and dispose of as hazardous waste. See section 13 for 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 the reach of children. Keep/store only in original container. Keep away from food, drink and animal feedingstuffs.

Incompatible products

Strong oxidizing agents, Strong acids, strong bases.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

| Chemical name | ACGIH TLV | OSHA PEL | NIOSH | Mexico |
|--------------------------|-------------------------------------|--|---|--|
| Naphthalene (91-20-3) | TWA: 10 ppm | TWA: 10 ppm TWA: 50 mg/m ³ | IDLH: 250 ppm TWA: 10 ppm TWA: 50 mg/m ³ STEL: 15 ppm STEL: 75 mg/m ³ | Mexico: TWA 10 ppm Mexico: TWA 50 mg/m ³ Mexico: STEL 15 ppm Mexico: STEL 75 mg/m ³ |
| Chemical name | British Columbia | Quebec | Ontario TWAEV | Alberta |
| Naphthalene (91-20-3) | TWA: 10 ppm STEL: 15 ppm Skin | TWA: 10 ppm TWA: 52 mg/m ³ STEL: 15 ppm STEL: 79 mg/m ³ | TWA: 10 ppm STEL: 15 ppm Skin | TWA: 10 ppm TWA: 52 mg/m ³ STEL: 15 ppm STEL: 79 mg/m ³ Skin |

Appropriate engineering controls**Engineering measures**

Ensure adequate ventilation, especially in confined areas. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. Ventilate all transport vehicles prior to unloading.

Individual protection measures, such as personal protective equipment**Eye/Face Protection**

For dust, splash, mist or spray exposure, wear chemical protective goggles.

Skin and Body Protection

Depending upon concentrations encountered, wear coveralls or long-sleeved uniform and head covering. For larger exposures as in the case of spills, wear full body cover barrier suit, such as a PVC rain suit. Leather items, such as shoes, belts, and watchbands, that become contaminated should be removed and destroyed. Launder all work clothing before reuse (separately from household laundry).

Hand Protection

Wear chemical protective gloves made of materials such as nitrile or neoprene Wash the outside of gloves with soap and water prior to removal. Inspect regularly for leaks.

Respiratory Protection

For dust, splash, mist or spray exposures, wear elastomeric full-face or half mask respirator with appropriate cartridges and/or filters, which is approved for pesticides (U.S. NIOSH/MSHA, EU CEN or comparable certification organization).

| | |
|----------------------------|--|
| Hygiene measures | Must have clean water available for washing in case of eye or skin contamination. Wash skin before eating, drinking, chewing gum, or using snuff. Shower after work. Remove contaminated clothing and wash before reuse. Wash all work clothing separately; do not mix with household laundry. |
| General information | If the product is used in mixtures, it is recommended that you contact the appropriate protective equipment suppliers. |

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

| | |
|-------------------------------------|-----------------------------------|
| Appearance | Clear Light yellow Liquid |
| Physical State | Liquid |
| Color | Clear Light yellow |
| Odor | Aromatic |
| Odor threshold | No information available |
| pH | No information available |
| Melting point/freezing point | Not applicable |
| Boiling Point/Range | No information available |
| Flash point | > 61 °C / > 142 °F Closed cup |
| 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 | No information available |
| Specific gravity | 1.0 @ 20°C (H ₂ O = 1) |
| Water solubility | Emulsifies |
| 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 | 391.3 (permethrin) |
| Bulk density | 8.3 lb/gal |

10. STABILITY AND REACTIVITY

| | |
|---|---|
| Reactivity | Not applicable |
| 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 | Heat, flames and sparks. |
| Incompatible materials | Strong oxidizing agents, Strong acids, strong bases. |
| Hazardous Decomposition Products | Carbon monoxide (CO), Carbon dioxide (CO ₂), Chlorine, Hydrogen chloride. |

11. TOXICOLOGICAL INFORMATION

Product Information

| | |
|------------------------|---|
| LD50 Oral | Similar formulation: 789 mg/kg (rat) |
| LD50 Dermal | Similar formulation: > 2,000 mg/kg (rabbit) |
| LC50 Inhalation | Similar formulation: 1.4 mg/L 4 hr (rat) |

Serious eye damage/eye irritation Moderately irritating.
Skin corrosion/irritation Moderately irritating.
Sensitization Non-sensitizing

Information on toxicological effects

Symptoms Large, toxic doses administered to laboratory animals have produced symptoms such as diarrhea, salivation, tremors and intermittent convulsions. Overexposure to animals, via inhalation, has also produced hypersensitivity.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Chronic toxicity Permethrin: Effects are expected to be similar to those that are seen with acute toxicity.

Mutagenicity Permethrin: Not genotoxic in laboratory studies.

Carcinogenicity Permethrin: Evidence of tumors in mice but is not considered relevant to humans.
Permethrin: Evidence of tumors in mice but is not considered relevant to humans.

Neurological effects Permethrin: Clinical signs of neurotoxicity include altered motor activity and FOB effects, with no signs of histopathology

Reproductive toxicity Permethrin: No toxicity to reproduction in animal studies.

Developmental toxicity Permethrin: Not teratogenic in animal studies.

STOT - single exposure May cause damage to organs: See listed target organs below.
STOT - repeated exposure May cause damage to organs through prolonged or repeated exposure: See listed target organs below.

Target organ effects Permethrin: Central Nervous System (CNS) Central Nervous System.

Neurological effects Permethrin: Clinical signs of neurotoxicity include altered motor activity and FOB effects, with no signs of histopathology

Aspiration hazard Potential for aspiration if swallowed. May be fatal if swallowed and enters airways.

| Chemical name | ACGIH | IARC | NTP | OSHA |
|--------------------------|-------|----------|------------------------|------|
| Permethrin 52645-53-1 | | Group 3 | | |
| Naphthalene 91-20-3 | A3 | Group 2B | Reasonably Anticipated | X |

Legend:

ACGIH (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

IARC (International Agency for Research on Cancer)

Group 2B - Possibly Carcinogenic to Humans

Group 3 - Not classifiable as to its carcinogenicity to humans

NTP (National Toxicology Program)

Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

12. ECOLOGICAL INFORMATION

Ecotoxicity

| Permethrin (52645-53-1) | | | | |
|--------------------------------|-----------|-----------|--------|-------|
| Active Ingredient(s) | Duration | Species | Value | Units |
| Permethrin | 48 h EC50 | Crustacea | 0.001 | mg/L |
| | 72 h EC50 | Algae | 0.0125 | mg/L |

| | | | | |
|--|------------|-----------|-------|------|
| | 96 h LC50 | Fish | 0.79 | µg/L |
| | 21 d NOEC | Crustacea | 0.039 | µg/L |
| | 96 hr NOEC | Algae | 0.9 | µg/L |
| | 21 d NOEC | Fish | 0.3 | µg/L |

Persistence and degradability Permethrin: Moderately persistent. Does not readily hydrolyze. Not readily biodegradable.

Bioaccumulation Permethrin: The substance has a potential for bioconcentration.

Mobility Permethrin: 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 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

Packaging Type Non-Bulk - NOT REGULATED
Bulk - see below
UN/ID no NA1993
Proper Shipping Name Combustible liquid, n.o.s
Packing Group III
Reportable Quantity (RQ) Aromatic Hydrocarbons
Description NA1993, Combustible liquid, n.o.s. (Aromatic Hydrocarbons), III

ICAO/IATA

UN/ID no UN3082
Proper Shipping Name Environmentally hazardous substance, liquid, n.o.s.
Hazard class 9
Packing Group III
Description UN3082, Environmentally hazardous substance, liquid, n.o.s. (Permethrin), 9, III, Marine Pollutant

IMDG/IMO

UN/ID no UN3082
Proper Shipping Name Environmentally hazardous substance, liquid, n.o.s.
Hazard class 9
Packing Group III
EmS No. F-A, S-F
Marine Pollutant Permethrin
Description UN3082, Environmentally hazardous substance, liquid, n.o.s. (Permethrin), 9, III, Marine Pollutant

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 contains a chemical

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or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

| Chemical name | CAS-No | Weight % | SARA 313 - Threshold Values % |
|-------------------------|------------|----------|-------------------------------|
| Permethrin - 52645-53-1 | 52645-53-1 | 48.16 | 1.0 |
| Naphthalene - 91-20-3 | 91-20-3 | <4 | 0.1 |

SARA 311/312 Hazard Categories

| | |
|-----------------------------------|-----|
| Acute health hazard | Yes |
| Chronic health hazard | Yes |
| Fire hazard | Yes |
| 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 |
|------------------------|-----------------------------|------------------------|---------------------------|----------------------------|
| Naphthalene 91-20-3 | 100 lb | X | X | 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 |
|------------------------|--------------------------|------------------------------------|
| Naphthalene 91-20-3 | 100 lb 45.4 kg | |

US State Regulations**California Proposition 65**

This product contains the following Proposition 65 chemicals.

| Chemical name | California Prop. 65 |
|-----------------------|---------------------|
| Naphthalene - 91-20-3 | Carcinogen |

U.S. State Right-to-Know Regulations

| Chemical name | New Jersey | Massachusetts | Pennsylvania |
|--------------------------|------------|---------------|--------------|
| Permethrin 52645-53-1 | X | X | |
| Naphthalene 91-20-3 | X | X | X |

International Inventories

| Chemical name | TSCA (United States) | DSL (Canada) | EINECS/ELINCS (Europe) | ENCS (Japan) | China (IECSC) | KECL (Korea) | PICCS (Philippines) | AICS (Australia) |
|--------------------------|-------------------------|-----------------|---------------------------|-----------------|------------------|--------------|------------------------|---------------------|
| Permethrin 52645-53-1 | | | X | X | X | X | X | X |
| Naphtha (petroleum), | X | X | X | | X | X | X | X |

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| | | | | | | | | |
|------------------------------|---|---|---|---|---|---|---|---|
| heavy aromatic 64742-94-5 | | | | | | | | |
| Naphthalene 91-20-3 | X | X | X | X | X | X | X | X |

Mexico - Grade

Moderate risk, Grade 2

| Chemical name | Carcinogen Status | Mexico |
|---------------|-------------------|--|
| Naphthalene | | Mexico: TWA 10 ppm Mexico: TWA 50 mg/m ³ Mexico: STEL 15 ppm Mexico: STEL 75 mg/m ³ |

WHMIS Statement

This product has been classified in accordance with the Hazardous Products Regulations (HPR) and the SDS contains all the information required by the HPR.

WHMIS Hazard Class

See section 2 for more information

16. OTHER INFORMATION

| | | | | |
|------|-------------------|----------------|-------------------|-----------------------|
| NFPA | Health Hazards 1 | Flammability 2 | Instability 0 | Special Hazards - |
| HMIS | Health Hazards 1* | Flammability 2 | 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:

2018-05-23

Reason for revision:

(M)SDS sections updated

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End of Safety Data Sheet