



**SAFETY DATA SHEET**  
**Pounce 50EC**

**SDS # :** 1849-A  
**Revision date:** 2018-05-23  
**Format:** AP  
**Version** 3

**Section 1: PRODUCT AND COMPANY IDENTIFICATION**

**Product Name** Pounce 50EC

**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:** Insecticide.

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

<b><u>Manufacturer/Supplier</u></b>	<b><u>Importer</u></b>
FMC Corporation	FMC VIETNAM COMPANY LIMITED
Agricultural Solutions	No. 12 lot B, Thong Nhat Road
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General Information:	Binh Duong Province
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**Emergency telephone**

Medical Emergencies:  
1 800 / 331-3148 (ProPharma Group - U.S.A. & Canada)  
1 651 / 632-6793 (ProPharma Group - 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)

**Section 2: HAZARDS IDENTIFICATION**

**GHS - Classification**

Aspiration toxicity	Category 1
Acute toxicity - Oral	Category 4
Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Carcinogenicity	Category 2
STOT - single exposure	Category 2
Specific target organ toxicity (repeated exposure)	Category 2
Acute aquatic toxicity	Category 1

Chronic aquatic toxicity	Category 1
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Flammable liquids	Category 4
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**Label Elements****Signal Word****Danger****Hazard Statements**

H304 - May be fatal if swallowed and enters airways  
 H351 - Suspected of causing cancer  
 H371 - May cause damage to organs  
 H373 - May cause damage to organs through prolonged or repeated exposure  
 H410 - Very toxic to aquatic life with long lasting effects  
 H332 - Harmful if inhaled  
 H302 - Harmful if swallowed  
 H227 - Combustible liquid

**Precautionary Statements - Prevention**

P202 - Do not handle until all safety precautions have been read and understood  
 P281 - Use personal protective equipment as required  
 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  
 P272 - Contaminated work clothing should not be allowed out of the workplace  
 P280 - Wear protective gloves  
 P260 - Do not breathe dust/fume/gas/mist/vapors/spray  
 P273 - Avoid release to the environment  
 P210 - Keep away from heat/sparks/open flames/hot surfaces. No smoking

**Precautionary Statements - Response**

P308 + P313 - If exposed or concerned: Get medical advice/attention  
 P321 - Specific treatment (see supplemental first aid instructions on this label)  
 P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing  
 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  
 P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor  
 P331 - Do NOT induce vomiting  
 P330 - Rinse mouth  
 In case of fire: Use CO2, dry chemical, or foam for extinction  
 P391 - Collect spillage

**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

**Other Information**

May be fatal if swallowed and enters airways

**Section 3: COMPOSITION/INFORMATION ON INGREDIENTS**

**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)

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
1,2,4-Trimethylbenzene	95-63-6	<1

## Section 4: FIRST AID MEASURES

<b>Inhalation</b>	Remove person to fresh air. If breathing is difficult or if discomfort occurs and persists, obtain medical attention.
<b>Skin Contact</b>	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Get medical attention if irritation develops and persists.
<b>Eye Contact</b>	Flush eyes with water for at least 15 minutes. Get medical attention if eye irritation develops or persists.
<b>Ingestion</b>	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.
<b>Most important symptoms and effects, both acute and delayed</b>	Asthma-like and/or skin allergy-like symptoms.
<b>Protection of first-aiders</b>	Use personal protective equipment. See Section 8 for more detail.
<b>Indication of immediate medical attention and special treatment needed, if necessary</b>	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.

## Section 5: FIRE FIGHTING MEASURES

<b>Flammable properties</b>	Moderately combustible. The product may form flammable mixtures with air when heated above the flash point.
<b>Suitable Extinguishing Media</b>	Foam, Dry chemical or CO2. Soft stream or water fog only if necessary. Contain all runoff.
<b>Unsuitable extinguishing media</b>	No information available
<b>Specific Hazards Arising from the Chemical</b>	Keep product and empty container away from heat and sources of ignition.
<b>Protective equipment and precautions for firefighters</b>	Isolate fire area. Evaluate upwind. As in any fire, wear self-contained breathing apparatus and full protective gear. Do not breathe smoke, vapors or gases generated

## Section 6: ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	Isolate and post spill area. Wear suitable protective clothing, gloves and eye/face protection. For personal protection see section 8.
<b>Other</b>	For further clean-up instructions, call FMC Emergency Hotline number listed in Section 1 "Product and Company Identification" above.
<b>Environmental Precautions</b>	Keep people and animals away from and upwind of spill/leak. Keep material out of lakes, streams, ponds, and sewer drains.
<b>Methods for Containment</b>	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.

## Section 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 feedingsuffs.

**Materials to avoid**

Strong oxidizing agents, Strong acids, Strong bases.

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Limits**

Component	China	Japan	Korea	Australia	Taiwan
Naphthalene 91-20-3 ( <4 )	TWA: 50 mg/m <sup>3</sup> STEL: 75 mg/m <sup>3</sup> S* C1 C3	C2B ISHL/ACL: 10 ppm	S* STEL: 15 ppm TWA: 10 ppm	STEL 15 ppm STEL 79 mg/m <sup>3</sup> TWA 10 ppm TWA 52 mg/m <sup>3</sup>	STEL 15 ppm STEL 78 mg/m <sup>3</sup>
1,2,4-Trimethylbenzene 95-63-6 ( <1 )		OEL: 25 ppm OEL: 120 mg/m <sup>3</sup>			

**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.

**Personal protective equipment****Respiratory Protection**

The product does not automatically present an airborne exposure concern during normal handling. In the event of an accidental discharge of the material which produces a heavy vapour or mist, workers should put on officially approved respiratory protection equipment with a universal filter type including particle filter.

**Hand Protection**

Wear chemical protective gloves made of materials such as nitrile or neoprene.

**Eye/Face Protection**

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

**Skin and Body Protection**

Minimize skin contamination by following good industrial hygiene practices.

**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.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

**Physical State**  
**Appearance**  
**Odor**  
**Color**

Liquid  
Clear Light yellow Liquid  
Aromatic  
Clear Light yellow

Odor threshold	No information available
pH	No information available
Melting point/freezing point	No information available
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
Specific gravity	1.0
Water solubility	Emulsifies
Solubility(ies)	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
Molecular weight	391.3 (permethrin)
Density	No information available
Bulk density	8.3

## Section 10: STABILITY AND REACTIVITY

Reactivity	Not applicable
Stability	Stable under recommended storage conditions
Hazardous reactions	None under normal processing.
Hazardous polymerization	Hazardous polymerization does not occur.
Conditions to Avoid	Heat, flames and sparks.
Incompatible products	Strong oxidizing agents, Strong acids, Strong bases.
Hazardous Decomposition Products	Carbon monoxide (CO), Carbon dioxide (CO <sub>2</sub> ), Chlorine, Hydrogen chloride.

## Section 11: TOXICOLOGICAL INFORMATION

### Acute toxicity

#### Numerical measures of toxicity - 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)
Skin corrosion/irritation	Moderately irritating.
Serious eye damage/eye irritation	Moderately irritating.
Sensitization	Non-sensitizing.

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

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

<b>Developmental toxicity</b>	Permethrin: Not teratogenic in animal studies.
<b>STOT - single exposure</b>	May cause damage to organs: See listed target organs below.
<b>STOT - repeated exposure</b>	May cause damage to organs through prolonged or repeated exposure: See listed target organs below.
<b>Chronic toxicity</b>	Permethrin: Effects are expected to be similar to those that are seen with acute toxicity.
<b>Target organ effects</b>	Permethrin: Central Nervous System (CNS), Central Nervous System.
<b>Neurological effects</b>	Permethrin: Clinical signs of neurotoxicity include altered motor activity and FOB effects, with no signs of histopathology.
<b>Symptoms</b>	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.
<b>Aspiration hazard</b>	Potential for aspiration if swallowed. May be fatal if swallowed and enters airways.

Chemical name	China	IARC
Permethrin		Group 3
Naphthalene		Group 2B
IARC (International Agency for Research on Cancer)		Group 2B - Possibly Carcinogenic to Humans Group 3 - Not classifiable as to its carcinogenicity to humans

## Section 12: ECOLOGICAL INFORMATION

### Ecotoxicity

The environmental impact of this product has not been fully investigated.

Very toxic to aquatic life with long lasting effects.

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

<b>Persistence and degradability</b>	Permethrin: Moderately persistent. Does not readily hydrolyze. Not readily biodegradable.
<b>Bioaccumulation</b>	Permethrin: The substance has a potential for bioconcentration.
<b>Mobility</b>	Permethrin: Immobile; Not expected to reach groundwater.
<b>Other Adverse Effects</b>	No information available.

## Section 13: DISPOSAL CONSIDERATIONS

<b>Waste disposal methods</b>	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
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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.

## Section 14: TRANSPORT INFORMATION

**IMDG/IMO**

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

**ICAO/IATA**

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

## Section 15: REGULATORY INFORMATION

**International Inventories**

A food, food additive, drug, cosmetic, or device, when manufactured, processed or distributed in commerce for use as a food, food additive, drug, cosmetic, or device may not be subject to local notification requirements. Check local regulations for more information.

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), heavy aromatic 64742-94-5	X	X	X		X	X	X	X
Naphthalene 91-20-3	X	X	X	X	X	X	X	X
1,2,4-Trimethylbenzene 95-63-6	X	X	X	X	X	X	X	X

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

## Section 16: OTHER INFORMATION

**Prepared By:**

FMC Corporation

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Revision note (M)SDS sections updated.

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**End of Safety Data Sheet**