

SAFETY DATA SHEET

POUNCE® TECHNICAL INSECTICIDE

SDS #: 003786-A
Revision date: 2016-05-26
Version 1.03



1. PRODUCT AND COMPANY IDENTIFICATION

Product Name POUNCE® TECHNICAL INSECTICIDE
Active Ingredient(s) Permethrin
Chemical Family Pyrethroid Pesticide
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)
Recommended Use: Insecticide.

Manufacturer/Supplier

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

Emergency telephone number

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

Official National Emergency Telephone
Number or Poison Control Center Number

2. HAZARDS IDENTIFICATION

Classification of the chemical

Acute inhalation toxicity - dust/mist	Category 4
Acute aquatic toxicity	Category 1
Chronic aquatic toxicity	Category 1

Labeling

Symbol(s)



Hazard Statements

H332 - Harmful if inhaled
H410 - Very toxic to aquatic life with long lasting effects

Precautionary statements

P261 - Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray
P273 - Avoid release to the environment
P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing
P312 - Call a POISON CENTER or doctor/ physician if you feel unwell
P501 - Dispose of contents/ container to an approved incineration plant

**Hazards not otherwise classified
(HNOC)****3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical name	Weight %	ENCS (Japan)	ISHL No	CAS-No
Permethrin	95.4	X		52645-53-1

4. FIRST AID MEASURES

Eye Contact	Hold eyes open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. 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.
Inhalation	Move to fresh air. If person is not breathing, contact emergency medical services, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.
Ingestion	Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Never give anything by mouth to an unconscious person.
Most important symptoms and effects, both acute and delayed	Central nervous system effects.
Indication of immediate medical attention and special treatment needed, if necessary	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

Suitable Extinguishing Media	Foam Carbon dioxide (CO ₂) Dry chemical Water spray or fog
Specific Hazards Arising from the Chemical	Avoid dust formation. Fine dust dispersed in air may ignite.
Protective equipment and precautions for firefighters	As in any fire, wear self-contained breathing apparatus and full protective gear. Isolate fire area. Evaluate downwind.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Isolate and post spill area. Wear suitable protective clothing, gloves and eye/face protection. For personal protection see section 8.
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	Sweep up and shovel into suitable containers for disposal. Clean and neutralize spill area, tools and equipment by washing with bleach water and soap. Absorb rinsate and add to the collected waste.

Waste must be classified and labeled prior to recycling or disposal. Dispose of waste as indicated in Section 13.

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. Keep/store only in original container.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Occupational exposure controls

Engineering measures

Apply technical measures to comply with the occupational exposure limits. Ensure adequate ventilation, especially in confined areas. 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

<p>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.</p> <p>Respiratory Protection</p>	<p>For dust, splash, mist or spray exposures wear a filtering mask.</p> <p>Eye/Face Protection</p>	<p>For dust, splash, mist or spray exposure, wear chemical protective goggles.</p> <p>Skin and Body Protection</p>	<p>Wear long-sleeved shirt, pants, socks, shoes, chemical-resistant gloves and headgear.</p> <p>Hand Protection</p>	<p>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.</p>
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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Yellow to brown Solid
Odor	Low, Mild
Physical State	Solid (low melting)
pH	5.0 - 6.0
Flash point	131 °C / 268 °F Closed cup
Autoignition temperature	No data available
Boiling Point/Range	198 - 200 °C @ 0.3 mm Hg
Melting Point/Range	34-35 °C - 95 °F
Flammability Limits in Air	
Upper flammability limit:	No data available
Lower flammability limit:	No data available
Explosion limits	

Upper	No data available
Lower	No data available
Explosive properties	No information available
Oxidizing properties	No information available
Evaporation Rate	No data available
Vapor pressure	3.4 x 10 ⁻⁷ torr at 25 °C
Vapor density	>1
Specific gravity	1.190-1.272 @ 20°C
Density	9.91-10.6 lb/gal
solubility	No information available
Water solubility	0.07 + 0.02 ppm
Partition coefficient	No data available
Viscosity, dynamic	No information available

10. STABILITY AND REACTIVITY

Stability	Potential self-heating thermal decomposition above 200°C. Above 270°C, decomposition will result in rapid gas generation.
Conditions to Avoid	Excessive heat. Keep away from open flames, hot surfaces and sources of ignition.
Incompatible products	None known.
Hazardous Decomposition Products	Chlorine, Hydrogen chloride, Carbon oxides (COx),

11. TOXICOLOGICAL INFORMATION

Acute toxicity

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.

LD50 Dermal	> 2002 mg/kg (rabbit)
LD50 Oral	3,129 mg/kg (rat)
LC50 Inhalation	2.9 mg/L 4 hr (rat)

Sensitization	Non-sensitizing
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Chronic toxicity

Chronic toxicity	Effects are expected to be similar to those that are seen with acute toxicity.
Neurological effects	Permethrin: Clinical signs of neurotoxicity include altered motor activity and FOB effects, with no signs of histopathology.
Target organ effects	Permethrin: Central Nervous System (CNS).
Carcinogenicity	Permethrin: Evidence of tumors in mice but is not considered relevant to humans.
Mutagenicity	Permethrin: Not genotoxic in laboratory studies.
Reproductive toxicity	Permethrin: No toxicity to reproduction in animal studies.
Developmental toxicity	Permethrin: Not teratogenic in animal studies.

Chemical name	IARC
Permethrin	Group 3

12. ECOLOGICAL INFORMATION

Ecotoxicity

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

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	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.

Other Adverse Effects No information available

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

Packaging Type Bulk, Non-Bulk

DOT This material is not a hazardous material as defined by U.S. Department of Transportation at 49 CFR Parts 100 through 185.

TDG Classification below is only applicable when shipped by vessel and is not applicable when shipped by road or rail only.

UN/ID no UN3077
Proper Shipping Name Environmentally hazardous substance, solid, n.o.s.
Hazard class 9
Packing Group III
Marine Pollutant Permethrin.
Description UN3077, Environmentally hazardous substance, solid, n.o.s. (Permethrin), 9, PG III, Marine Pollutant

IMDG/IMO

UN/ID no UN3077
Proper Shipping Name Environmentally hazardous substance, solid, n.o.s.
Hazard class 9
Packing Group III
Marine Pollutant Permethrin
EmS No. F-A, S-F
Description UN3077, Environmentally hazardous substance, solid, n.o.s. (Permethrin), 9, PG III, Marine Pollutant

ICAO/IATA

UN/ID no UN3077
Proper Shipping Name Environmentally hazardous substance, solid, n.o.s.
Hazard class 9
Packing Group III
Marine Pollutant Permethrin
Description UN3077, Environmentally hazardous substance, solid, n.o.s. (Permethrin), 9, PG III, Marine Pollutant

15. REGULATORY INFORMATION**International Inventories**

Chemical name	TSCA (United States)	DSL (Canada)	EINECS/ELI NCS (Europe)	ENCS (Japan)	China (IECSC)	KECL (Korea)	PICCS (Philippines)	AICS (Australia)	NZIoC (New Zealand)
Permethrin 52645-53-1	-	-	X	X	X	X	X	X	X

ENCS - Japan Existing and New Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

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

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

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

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

Japan

Japan

Chemical name	Dangerous Substances	organic solvents	Harmful Substances Whose Names Are to be Indicated on the Label	Pollution Release and Transfer Registry (Class II):	Pollution Release and Transfer Registry (Class I):	Poisonous and Deleterious Substances Control Law
Permethrin	Not applicable	Not applicable	Not applicable		350	
Chemical name	ISHA - Harmful Substances Prohibited for Manufacturing, Importing, Transferring, or Supplying	ISHA - Harmful Substances Requiring Permission	ISHA - Toxic Chemicals Control Law	Toxic Release Inventory Chemicals - Group 1	Toxic Release Inventory Chemicals - Group 2	
Permethrin	Not applicable	Not applicable	99-1-499 *	Not applicable	>=1.0 %	

16. OTHER INFORMATION

Revision date: 2016-05-26

Reason for revision: (M)SDS sections updated.

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Prepared By:

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End of Safety Data Sheet