

**SAFETY DATA SHEET**  
Pounce 384 EC

**SDS # :** 3510-A  
**Revision date:** 2017-11-07  
**Format:** NA  
**Version** 1.07



**1. PRODUCT AND COMPANY IDENTIFICATION**

**Product Identifier**

**Product Name** Pounce 384 EC

**Other means of identification**

**Product Code(s)** 3510-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

**PCP #** 16688

**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 (U.S.A. & Canada)  
1 651 / 632-6793 (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

<p><b>Danger</b></p> <p><b>Hazard Statements</b>  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</p> <p><b>Physical Hazards</b>  H227 - Combustible liquid</p> 
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#### **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  
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 (CO<sub>2</sub>). 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 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.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Family Pyrethroid Pesticide.

Chemical name	CAS-No	Weight %
Permethrin	52645-53-1	38.4
Naphtha (petroleum), heavy aromatic	64742-94-5	50-60
Pseudocumene	95-63-6	10-20*
Xylenes	1330-20-7	1-5*
Cumene	98-82-8	0.1-1*

\* This component is a constituent(s) of the ingredient: Naphtha (petroleum), heavy aromatic.

#### 4. FIRST AID MEASURES

<b>Eye Contact</b>	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.
<b>Skin Contact</b>	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.
<b>Inhalation</b>	Move to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.
<b>Ingestion</b>	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 induce vomiting or give anything by mouth to an unconscious person.
<b>Most important symptoms and effects, both acute and delayed</b>	Central nervous system effects.
<b>Indication of immediate medical attention and special treatment needed, if necessary</b>	Treat symptomatically. Contains petroleum distillate. Vomiting may cause aspiration pneumonia.

#### 5. FIRE-FIGHTING MEASURES

<b>Suitable Extinguishing Media</b>	Foam. Carbon dioxide (CO <sub>2</sub> ). Dry chemical. Water spray or fog.
<b>Specific Hazards Arising from the Chemical</b>	Combustible liquid
<b>Explosion data</b>	
<b>Sensitivity to Mechanical Impact</b>	No information available.
<b>Sensitivity to Static Discharge</b>	No information available.
<b>Protective equipment and precautions for firefighters</b>	As in any fire, wear self-contained breathing apparatus and full protective gear. Isolate fire area. Evaluate upwind.

#### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	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.
<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 prevent runoff. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

**Methods for cleaning up** Clean and neutralize spill area, tools and equipment by washing with 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.

## 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.

**Incompatible products** None known

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

Chemical name	ACGIH TLV	OSHA PEL	NIOSH	Mexico
Pseudocumene (95-63-6)	-	-	TWA: 25 ppm TWA: 125 mg/m <sup>3</sup>	-
Xylenes (1330-20-7)	STEL 150 ppm TWA: 100 ppm	TWA: 100 ppm TWA: 435 mg/m <sup>3</sup>	-	Mexico: TWA 100 ppm Mexico: TWA 435 mg/m <sup>3</sup> Mexico: STEL 150 ppm Mexico: STEL 655 mg/m <sup>3</sup>
Cumene (98-82-8)	TWA: 50 ppm	TWA: 50 ppm TWA: 245 mg/m <sup>3</sup> S*	IDLH: 900 ppm TWA: 50 ppm TWA: 245 mg/m <sup>3</sup>	Mexico: TWA 50 ppm Mexico: TWA 245 mg/m <sup>3</sup> Mexico: STEL 75 ppm Mexico: STEL 365 mg/m <sup>3</sup>
Chemical name	British Columbia	Quebec	Ontario TWAEV	Alberta
Xylenes (1330-20-7)	TWA: 100 ppm STEL: 150 ppm	TWA: 100 ppm TWA: 434 mg/m <sup>3</sup> STEL: 150 ppm STEL: 651 mg/m <sup>3</sup>	TWA: 100 ppm  STEL: 150 ppm	TWA: 100 ppm TWA: 434 mg/m <sup>3</sup> STEL: 150 ppm STEL: 651 mg/m <sup>3</sup>
Cumene (98-82-8)	TWA: 25 ppm STEL: 75 ppm	TWA: 50 ppm TWA: 246 mg/m <sup>3</sup>	TWA: 50 ppm	TWA: 50 ppm TWA: 246 mg/m <sup>3</sup>

### Appropriate engineering 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.

### 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 long-sleeved shirt, long pants, socks, and shoes.

**Hand Protection** Rubber/latex/neoprene or other suitable chemical resistant 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**

<b>Appearance</b>	Amber Liquid
<b>Physical State</b>	Liquid
<b>Color</b>	Amber
<b>Odor</b>	Hydrocarbon-like
<b>Odor threshold</b>	No information available
<b>pH</b>	4.8 @ 25°C
<b>Melting point/freezing point</b>	Not applicable
<b>Boiling Point/Range</b>	No information available
<b>Flash point</b>	79.4 - 82°C / 174.9 - 179.6 °F
<b>Evaporation Rate</b>	Closed cup
<b>Flammability (solid, gas)</b>	No information available
<b>Flammability Limit in Air</b>	No information available
<b>Upper flammability limit:</b>	No information available
<b>Lower flammability limit:</b>	No information available
<b>Vapor pressure</b>	No information available
<b>Vapor density</b>	>1
<b>Relative density</b>	8.89 lb/gal
<b>Specific gravity</b>	1.002 @ 20°C
<b>Water solubility</b>	Emulsifies
<b>Solubility in other solvents</b>	No information available
<b>Partition coefficient</b>	No information available
<b>Autoignition temperature</b>	No information available
<b>Decomposition temperature</b>	No information available
<b>Viscosity, kinematic</b>	No information available
<b>Viscosity, dynamic</b>	No information available
<b>Explosive properties</b>	No information available
<b>Oxidizing properties</b>	No information available
<b>Molecular weight</b>	No information available
<b>Bulk density</b>	No information available

## 10. STABILITY AND REACTIVITY

<b>Reactivity</b>	Not applicable
<b>Chemical Stability</b>	Stable under recommended storage conditions.
<b>Possibility of Hazardous Reactions</b>	None under normal processing.
<b>Hazardous polymerization</b>	Hazardous polymerization does not occur.
<b>Conditions to avoid</b>	Excessive heat. Keep away from open flames, hot surfaces and sources of ignition.
<b>Incompatible materials</b>	None known.
<b>Hazardous Decomposition Products</b>	Chlorine, Hydrogen chloride, Carbon oxides (COx),

## 11. TOXICOLOGICAL INFORMATION

**Product Information**

<b>LD50 Oral</b>	789 mg/kg (rat)
<b>LD50 Dermal</b>	> 2000 mg/kg (rabbit)
<b>LC50 Inhalation</b>	1.4 mg/L 4 hr (rat)
<b>Serious eye damage/eye irritation</b>	Moderately irritating (rabbit).
<b>Skin corrosion/irritation</b>	Moderately irritating (rabbit).
<b>Sensitization</b>	Non-sensitizing

Chemical name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Permethrin (52645-53-1)	3129 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	> 2.09 mg/L ( Rat ) 4 h
Naphtha (petroleum), heavy aromatic (64742-94-5)	> 5,000 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	>5.28 mg/L ( Rat ) 4 h
Pseudocumene (95-63-6)	3280 mg/kg ( Rat )	3160 mg/kg ( Rabbit )	18 g/m <sup>3</sup> ( Rat ) 4 h
Xylenes (1330-20-7)	3500 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	11 mg/l ( Rat ) 4 h
Cumene (98-82-8)	1400 mg/kg ( Rat )	3160 mg/kg ( Rabbit )	> 17.6 mg/L ( Rat ) 4 h

### Information on toxicological effects

<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><u>Delayed and immediate effects as well as chronic effects from short and long-term exposure</u></b>	
<b>Chronic toxicity</b>	Effects are expected to be similar to those that are seen with acute toxicity.
<b>Mutagenicity</b>	Permethrin: Not genotoxic in laboratory studies.
<b>Carcinogenicity</b>	Permethrin: Evidence of tumors in mice but is not considered relevant to humans.
<b>Neurological effects</b>	Permethrin: Clinical signs of neurotoxicity include altered motor activity and neurobehavioral effects, with no signs of histopathology.
<b>Reproductive toxicity</b>	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>Target organ effects</b>	Central Nervous System (CNS)
<b>Neurological effects</b>	Permethrin: Clinical signs of neurotoxicity include altered motor activity and neurobehavioral effects, with no signs of histopathology.
<b>Aspiration hazard</b>	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		
Xylenes 1330-20-7		Group 3		
Cumene 98-82-8		Group 2B	Reasonably Anticipated	X

#### Legend:

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**

<b>Permethrin (52645-53-1)</b>				
Active Ingredient(s)	Duration	Species	Value	Units
Permethrin	48 h EC50	Crustacea	0.001	mg/L
	72 h EC50	Algae	0.0125	mg/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
	96 h LC50	Fish	5.3	mg/L
	96 h EC50	Algae	0.010	mg/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** Not regulated for transportation if shipped in Non Bulk packaging. The classification below pertains to the shipment in Bulk packaging.

<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.
<b>Description</b>	UN3082, Environmentally hazardous substance, liquid, n.o.s. (permethrin), 9, III, Marine Pollutant

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

<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.
<b>Description</b>	UN3082, Environmentally hazardous substance, liquid, n.o.s. (permethrin), 9, III, Marine Pollutant

**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>Description</b>	UN3082, Environmentally hazardous substance, liquid, n.o.s. (permethrin), 9, III, Marine Pollutant

**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
<b>Description</b>	UN3082, Environmentally hazardous substance, liquid, n.o.s. (permethrin), 9, III, Marine Pollutant

<b>15. REGULATORY INFORMATION</b>
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**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 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	38.4	1.0
Pseudocumene - 95-63-6	95-63-6	10-20*	1.0
Xylenes - 1330-20-7	1330-20-7	1-5*	1.0
Cumene - 98-82-8	98-82-8	0.1-1*	1.0

**SARA 311/312 Hazard Categories**

<b>Acute health hazard</b>	Yes
<b>Chronic health hazard</b>	Yes
<b>Fire hazard</b>	Yes
<b>Sudden release of pressure hazard</b>	No
<b>Reactive Hazard</b>	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
Xylenes 1330-20-7	100 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
Xylenes 1330-20-7	100 lb 45.4 kg	
Cumene 98-82-8	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:*

**WARNING**

*Causes skin irritation. Harmful if swallowed. Harmful if absorbed through skin. Harmful if inhaled.  
This pesticide is extremely toxic to aquatic organisms including fish and invertebrates.*



## US State Regulations

### California Proposition 65

This product contains the following Proposition 65 chemicals.

Chemical name	California Prop. 65
Cumene - 98-82-8	Carcinogen

### U.S. State Right-to-Know Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
Permethrin 52645-53-1	X	X	
Pseudocumene 95-63-6	X	X	X
Xylenes 1330-20-7	X	X	X
Cumene 98-82-8	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), heavy aromatic 64742-94-5	X	X	X		X	X	X	X
Pseudocumene 95-63-6	X	X	X	X	X	X	X	X
Xylenes 1330-20-7	X	X	X	X	X	X	X	X
Cumene 98-82-8	X	X	X	X	X	X	X	X

### Mexico - Grade

Moderate risk, Grade 2

Chemical name	Carcinogen Status	Mexico
Xylenes		Mexico: TWA 100 ppm Mexico: TWA 435 mg/m <sup>3</sup> Mexico: STEL 150 ppm Mexico: STEL 655 mg/m <sup>3</sup>
Cumene		Mexico: TWA 50 ppm Mexico: TWA 245 mg/m <sup>3</sup> Mexico: STEL 75 ppm Mexico: STEL 365 mg/m <sup>3</sup>

Chemical name	Mexico - Pollutant Release and Transfer Register - Reporting Emissions for Fabrication, Process or Use -Threshold Quantities	Pollutant Release and Transfer Register - Reporting Emissions - Threshold Quantities
Xylenes	1000 5000 kg/yr	1000 kg/yr
Cumene	1000 5000 kg/yr	1000 kg/yr

### WHMIS Statement

