

# MATERIAL SAFETY DATA SHEET

## POUNCE® 384 EC INSECTICIDE



MSDS Ref. No.: 52645-53-1-43

Date Approved: 06/05/2007

Revision No.: 1

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This document has been prepared to meet the requirements of the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200; the EC Directive, 2001/58/EC; and, the Canada's Workplace Hazardous Materials Information System (WHMIS). The information contained herein is for the concentrate as packaged, unless otherwise noted.

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## 1. PRODUCT AND COMPANY IDENTIFICATION

<b>PRODUCT NAME:</b>	POUNCE® 384 EC INSECTICIDE
<b>PRODUCT CODE:</b>	6361
<b>ACTIVE INGREDIENT(S):</b>	Permethrin
<b>CHEMICAL FAMILY:</b>	Pyrethroid Pesticide
<b>MOLECULAR FORMULA:</b>	C <sub>12</sub> H <sub>20</sub> Cl <sub>2</sub> O <sub>3</sub> (permethrin)
<b>SYNONYMS:</b>	FMC 33297; (3-Phenoxyphenyl)methyl(+/-) cis-trans-3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate; IUPAC: 3-phenoxybenzyl (1RS)-cis-trans-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate

### MANUFACTURER

FMC CORPORATION  
Agricultural Products Group  
1735 Market Street  
Philadelphia, PA 19103  
(215) 299 6000 (General Information)  
msdsinfo@fmc.com (Email - General Information)

### EMERGENCY TELEPHONE NUMBERS

(800) 331-3148 (FMC - U.S.A. & Canada)  
(716) 735-3765 (FMC - Reverse charges)

For leak, fire, spill, or accident emergencies, call:  
(800) 424-9300 (CHEMTREC - U.S.A. & Canada)  
(703) 527-3887 (CHEMTREC - All Other Countries)

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## 2. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW:

- Amber liquid with an aromatic solvent odor.
- Moderately combustible. May support combustion if heated above the product's flash point (see Section 9, "Physical and Chemical Properties" below).
- Thermal decomposition and burning may form toxic by-products.
- For large exposures or fire, wear personal protective equipment.
- Highly toxic to fish and aquatic organisms. Keep out of drains and water courses.
- Moderately irritating to the skin and eyes.

**POTENTIAL HEALTH EFFECTS:** Effects from overexposure result from either swallowing, or coming into contact with the skin or eyes. Symptoms of overexposure include diarrhea, salivation, tremors, convulsions, hyperactivity and hypersensitivity. Contact with this product has rarely produced skin sensations such as numbing, burning and tingling. These sensations are reversible and usually subside within 12 hours.

**MEDICAL CONDITIONS AGGRAVATED:** None presently known.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS#	Wt.%	EC No.	EC Class
Permethrin	52645-53-1	38.4	258-067-9	R20/22-43-50/53; S2-13-24-36/37/39-60-61
Aromatic Hydrocarbons	64742-95-6	<33	265-199-0	R10-37-51/53-65-66-67; S23-24-43A-57-60-62
1,2,4-trimethylbenzene	95-63-6	<17	202-436-9	R10-20-36/37/38-51/53; S2-26-61
Surfactant Blend		<7	None	Not classified
Xylene	1330-20-7	<2	215-535-7	R10-20/21-38; S2-25
Cumene	98-82-8	<1	202-704-5	R10-37-51/53-65; S2-24-37-61-62
1-butanol	71-36-3	<1	200-751-6	R10-22-37/38-41-67; S2-7/9-13-26-37/39-46
Ethylbenzene	100-41-4	<1	202-849-4	R11-20; S2-16-24/25-29

### 4. FIRST AID MEASURES

**EYES:** Flush with water for at least 15 minutes. If irritation occurs and persists, contact a medical doctor.

**SKIN:** Remove contaminated clothing and thoroughly wash with soap and water. If irritation occurs and persists, contact a medical doctor.

**INGESTION:** Do not induce vomiting and do not give liquids of any kind to the person. Never give anything by mouth to an unconscious person. See a medical doctor immediately.

**INHALATION:** Remove to fresh air. If breathing difficulty or discomfort occurs and persists, contact a medical doctor.

**NOTES TO MEDICAL DOCTOR:** This product has low oral, dermal and inhalation toxicity. It is moderately irritating to the skin and eyes. Reversible skin sensations (paresthesia) may occur and ordinary skin salves have been found useful in reducing discomfort. Contains aromatic hydrocarbons that may produce a severe pneumonitis if aspirated during vomiting. Consideration should be given to gastric lavage with an endotracheal tube in place. Treatment is otherwise controlled removal of exposure followed by symptomatic and supportive care.

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## 5. FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA:** Foam, CO<sub>2</sub> or dry chemical. Soft stream water fog only if necessary. Contain all runoff.

**FIRE / EXPLOSION HAZARDS:** Moderately combustible. When heated above the flash point, this material releases vapors which, when mixed with air, can burn or be explosive.

**FIRE FIGHTING PROCEDURES:** Isolate fire area. Evacuate downwind. Wear full protective clothing and self-contained breathing apparatus. Do not breathe smoke, gases or vapors generated.

**FLAMMABLE LIMITS:** Not available

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## 6. ACCIDENTAL RELEASE MEASURES

**RELEASE NOTES:** Isolate and post spill area. Wear protective clothing and personal protective equipment as prescribed in Section 8, "Exposure Controls/Personal Protection". Keep unprotected persons and animals out of the area.

Keep material out of lakes, streams, ponds and sewer drains. Dike to confine spill and absorb with a non-combustible absorbent such as clay, sand or soil. Vacuum, shovel or pump waste into a drum and label contents for disposal.

To clean and neutralize contaminated area, scrub area with a solution of detergent (e.g. commercial product such as SuperSoap™, Tide®, Spic and Span®, or other high pH detergent) and water. Let solution sit for 5 minutes. Use a stiff brush to scrub affected area. Repeat if necessary to remove visible staining. Additional decontamination can be made by applying bleach (Clorox® or equivalent) to affected area.

Absorb wash-liquid as noted above, remove visibly contaminated soil and place into recovery / disposal container (plastic, open-top steel drum or equivalent). Place all clean-up material in a container, seal and dispose of in accordance with the method outlined in Section 13 "Disposal Considerations" below.

For further information on spill clean-up, waste disposal, or return of salvaged product, call the FMC Emergency Hotline number listed in Section 1 "Product and Company Identification" above.

## 7. HANDLING AND STORAGE

**HANDLING AND STORAGE:** Store in a cool, dry, well-ventilated place. Do not use or store near heat, open flame or hot surfaces. Store in original containers only. Keep out of reach of children and animals. Do not contaminate other pesticides, fertilizers, water, food or feed by storage or disposal.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### EXPOSURE LIMITS

Chemical Name	ACGIH	OSHA	Supplier
Aromatic Hydrocarbons			18 ppm
1,2,4-trimethylbenzene		25 ppm (PEL)	
Xylene	150 ppm (STEL)	100 ppm (PEL)	
Cumene	50 ppm (TWA)	50 ppm (PEL) (skin)	
1-butanol	20 ppm (TWA) (ceiling)	100 ppm (TWA) (ceiling) 50 ppm (PEL) (ceiling)	
Ethylbenzene	100 ppm (TWA) 434 mg/m <sup>3</sup> (TWA) 543 mg/m <sup>3</sup> (STEL) 125 ppm (STEL)	100 ppm (PEL) 434 mg/m <sup>3</sup> (PEL)	

**ENGINEERING CONTROLS:** Use local exhaust at all process locations where vapor or mist may be emitted. Ventilate all transport vehicles prior to unloading.

### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** For splash, mist or spray exposure, wear chemical protective goggles or a face shield.

**RESPIRATORY:** For splash, mist or spray exposures wear, as a minimum, a properly fitted half-face or full-face air-purifying respirator which is approved for pesticides (U.S. NIOSH/MSHA, EU CEN or comparable certification organization). Respirator use and selection must be based on airborne concentrations.

**PROTECTIVE CLOTHING:** 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 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).

**GLOVES:** Wear chemical protective gloves made of materials such as nitrile, neoprene or Viton® brand. Thoroughly wash the outside of gloves with soap and water prior to removal. Inspect regularly for leaks.

**WORK HYGIENIC PRACTICES:** 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 at the end of the workday.

## COMMENTS:

### CANADIAN OCCUPATIONAL EXPOSURE LIMITS (OELs)

#### Xylene:

Alberta: 150 ppm, 651 mg/m<sup>3</sup> (STEL); 100 ppm, 434 mg/m<sup>3</sup> (TWA)  
British Columbia: 150 ppm (STEL); 100 ppm (TWA)  
Manitoba: 150 ppm, 655 mg/m<sup>3</sup> (STEL); 100 ppm, 435 mg/m<sup>3</sup> (TWA)  
New Brunswick: 150 ppm, 651 mg/m<sup>3</sup> (STEL); 100 ppm, 434 mg/m<sup>3</sup> (TWA)  
Northwest Territories: 150 ppm, 652 mg/m<sup>3</sup> (SEL); 100 ppm, 434 mg/m<sup>3</sup> (TWA)  
Nova Scotia: 150 ppm (STEL); 100 ppm (TWA)  
Nunavut: 150 ppm, 652 mg/m<sup>3</sup> (STEL); 100 ppm, 434 mg/m<sup>3</sup> (TWA)  
Ontario: 150 ppm, 650 mg/m<sup>3</sup> (STEV); 100 ppm, 435 mg/m<sup>3</sup> (TWAEV)  
Quebec: 150 ppm, 651 mg/m<sup>3</sup> (STEV); 100 ppm, 434 mg/m<sup>3</sup> (TWAEV)  
Saskatchewan: 150 ppm, 651 mg/m<sup>3</sup> (STEL); 100 ppm, 434 mg/m<sup>3</sup> (TWA)  
Yukon: 150 ppm, 650 mg/m<sup>3</sup> (STEL); 100 ppm, 435 mg/m<sup>3</sup> (TWA)

#### Cumene:

Alberta: 50 ppm, 246 mg/m<sup>3</sup> (TWA)  
British Columbia: 75 ppm (STEL); 25 ppm (TWA)  
Manitoba: 50 ppm, 245 mg/m<sup>3</sup> (TWA)  
New Brunswick: 50 ppm, 246 mg/m<sup>3</sup> (TWA)  
Northwest Territories: 75 ppm, 370 mg/m<sup>3</sup> (STEL); 50 ppm, 245 mg/m<sup>3</sup> (TWA)  
Nova Scotia: 50 ppm (TWA)  
Nunavut: 75 ppm, 370 mg/m<sup>3</sup> (STEL); 50 ppm, 245 mg/m<sup>3</sup> (TWA)  
Ontario: 50 ppm, 245 mg/m<sup>3</sup> (TWAEV)  
Quebec: 50 ppm, 246 mg/m<sup>3</sup> (TWAEV)  
Saskatchewan: 74 ppm, 365 mg/m<sup>3</sup> (STEL); 50 ppm, 245 mg/m<sup>3</sup> (TWA)  
Yukon: 75 ppm, 365 mg/m<sup>3</sup> (STEL); 150 ppm, 245 mg/m<sup>3</sup> (TWA)

#### 1-butanol

Alberta: 50 ppm, 246 mg/m<sup>3</sup> (TWA)  
British Columbia: 30 ppm (Ceiling); 15 ppm (TWA)  
Manitoba: 50 ppm, 245 mg/m<sup>3</sup> (TWA)  
New Brunswick: 50 ppm, 246 mg/m<sup>3</sup> (TWA)  
Nova Scotia: 20 ppm (TWA)  
Nunavut: 50 ppm, 152 mg/m<sup>3</sup> (Ceiling)  
Ontario: 20 ppm (STEV)  
Saskatchewan: 50 ppm, 152 mg/m<sup>3</sup> (Ceiling)  
Yukon: 50 ppm, 150 mg/m<sup>3</sup> (Ceiling)

## Ethylbenzene:

Alberta: 125 ppm, 543 mg/m<sup>3</sup> (STEL); 100 ppm, 434 mg/m<sup>3</sup> (TWA)

British Columbia: 125 ppm (STEL); 100 ppm (TWA)

Manitoba: 125 ppm, 54 mg/m<sup>3</sup> (STEL); 100 ppm, 435 mg/m<sup>3</sup> (TWA)New Brunswick: 125 ppm, 543 mg/m<sup>3</sup> (STEL); 100 ppm, 434 mg/m<sup>3</sup> (TWA)Northwest Territories: 125 ppm, 542 mg/m<sup>3</sup> (STEL); 100 ppm, 434 mg/m<sup>3</sup> (TWA)

Nova Scotia: 125 ppm (STEL); 100 ppm (TWA)

Nunavut: 125 ppm, 542 mg/m<sup>3</sup> (STEL); 100 ppm, 434 mg/m<sup>3</sup> (TWA)Ontario: 125 ppm, 540 mg/m<sup>3</sup> (STEV); 100 ppm, 435 mg/m<sup>3</sup> (TWAEV)Quebec: 125 ppm, 543 mg/m<sup>3</sup> (STEV); 100 ppm, 434 mg/m<sup>3</sup> (TWAEV)Saskatchewan: 125 ppm, 543 mg/m<sup>3</sup> (STEL); 100 ppm, 435 mg/m<sup>3</sup> (TWA)Yukon: 125 ppm, 545 mg/m<sup>3</sup> (STEL); 100 ppm, 435 mg/m<sup>3</sup> (TWA)

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>ODOR:</b>	Aromatic solvent
<b>APPEARANCE:</b>	Amber liquid
<b>AUTOIGNITION TEMPERATURE:</b>	Not available
<b>BOILING POINT:</b>	Not available
<b>COEFFICIENT OF OIL / WATER:</b>	(Octanol/Water) Not available
<b>DENSITY / WEIGHT PER VOLUME:</b>	8.35 lb/gal. (1002 g/L)
<b>EVAPORATION RATE:</b>	Not available
<b>FLASH POINT:</b>	42 °C (108 °F) (CC)
<b>MELTING POINT:</b>	Not available
<b>MOLECULAR WEIGHT:</b>	391.3 (permethrin)
<b>pH:</b>	5.0 - 5.6 (1% emulsion)
<b>SOLUBILITY IN WATER:</b>	Emulsifies
<b>SPECIFIC GRAVITY:</b>	1.002 @ 20°C (water = 1)
<b>VAPOR DENSITY:</b>	>1 (Air = 1)
<b>VAPOR PRESSURE:</b>	Not available

## 10. STABILITY AND REACTIVITY

<b>CONDITIONS TO AVOID:</b>	Excessive heat and fire.
<b>STABILITY:</b>	Stable
<b>POLYMERIZATION:</b>	Will not occur

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon monoxide and/or carbon dioxide. Chlorine and hydrogen chloride may be formed.

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## 11. TOXICOLOGICAL INFORMATION

**EYE EFFECTS:** Moderately irritating

**SKIN EFFECTS:** Moderately irritating

**DERMAL LD<sub>50</sub>:** > 2,000 mg/kg (rabbit)

**ORAL LD<sub>50</sub>:** 1,030 mg/kg (rat)

**INHALATION LC<sub>50</sub>:** > 25.7 mg/l (4 h) (rat)

**ACUTE EFFECTS FROM OVEREXPOSURE:** This product has low oral, dermal and inhalation toxicity. It is moderately irritating to the skin and eyes. Experience to date indicates that contact with this product has rarely produced skin sensations such as numbing, burning or tingling. These sensations are reversible and usually subside within 12 hours. 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 hyperactivity and hypersensitivity. Inhalation of aromatic hydrocarbon vapors may cause dizziness, disturbances in vision, drowsiness, respiratory irritation, and eye, skin and mucous membrane irritation. Vomiting after ingestion of this product may cause aspiration of aromatic hydrocarbons into the lungs, which may result in fatal pulmonary edema.

**CHRONIC EFFECTS FROM OVEREXPOSURE:** No data available for the formulation. In studies with laboratory animals, permethrin did not cause reproductive toxicity or teratogenicity. Analysis of chronic feeding studies in both mice and rats with permethrin resulted in the conclusion that permethrin's potential for induction of oncogenicity in experimental animals is low and that the likelihood of oncogenic effects in humans is nonexistent or extremely low. Long-term feeding studies in animals resulted in increased liver and kidney weights, induction of the liver microsomal drug metabolizing enzyme system and histopathological changes in the lungs and liver. An overall absence of genotoxicity has been demonstrated in mutagenicity testing with permethrin. Chronic exposure to aromatic hydrocarbons may cause headaches, dizziness, loss of sensations or feelings (such as numbness), and liver and kidney damage. Inhalation of xylene vapors at high doses has also resulted in an increased incidence of malformations and decreases in fetal weight in laboratory animals. Damage from xylene may be potentiated by alcohol. Under the conditions of 2-year inhalation studies, conducted by the National Toxicology Program (NTP), there was clear evidence of carcinogenic activity of ethylbenzene in male rats based on increased incidences of renal tubule neoplasms. The incidences of testicular adenoma were also increased. There was some evidence of carcinogenic activity in female rats based on increased incidences of renal tubule adenomas. There was some evidence of carcinogenic activity in male mice based on increased incidences of alveolar/bronchiolar neoplasm. There was some evidence of carcinogenic activity in female mice based on increased incidences of hepatocellular neoplasms. Studies conducted by the International Agency for Research on Cancer (IARC) showed that there is inadequate evidence in humans for the carcinogenicity of ethylbenzene and that there is sufficient evidence in experimental animals; therefore, the overall evaluation shows that ethylbenzene is possibly carcinogenic to humans (Group 2B).

**CARCINOGENICITY:**

Chemical Name	IARC	NTP	OSHA	Other
Ethylbenzene	Listed	Listed	Not listed	(ACGIH) Not listed

**12. ECOLOGICAL INFORMATION**

Unless otherwise indicated, the data presented below are for the active ingredient.

**ENVIRONMENTAL DATA:** Permethrin is stable at a wide range of pH values. Permethrin has a moderate rate of degradation in soil and the half-life is related to the soil type, microbial population, concentration in the soil and the aerobic condition of the soil. Because of its high affinity for organic matter ( $K_{oc} = 86,000$ ), there is little potential for movement in soil or entry into ground water. Permethrin has a Log  $P_{ow}$  of 6.1, but because of the ease with which biological systems degrade the molecule, the potential for bioconcentration and accumulation in the environment is low ( $BCF = 500$ ).

**ECOTOXICOLOGICAL INFORMATION:** Permethrin is highly toxic to fish ( $LC_{50} = 0.5 \mu\text{g/L}$  to  $315 \mu\text{g/L}$ ) and aquatic arthropods ( $LC_{50} = 0.02 \mu\text{g/L}$  to  $7.6 \mu\text{g/L}$ ). Marine species are often more sensitive than the freshwater species. Bacteria, algae, mollusks and amphibians are much more tolerant of permethrin than the fish and arthropods. Care should be taken to avoid contamination of the aquatic environment. Permethrin is slightly toxic to birds and oral  $LD_{50}$  values are greater than 3600 mg/kg. Longer dietary studies showed that concentrations of up to 500 ppm in the diet had no effect on bird reproduction.

**13. DISPOSAL CONSIDERATIONS**

**DISPOSAL METHOD:** Open dumping or burning of this material or its packaging is prohibited. If spilled material cannot be disposed of by use according to label instructions, an acceptable method of disposal is to incinerate in accordance with local, state and national environmental laws, rules, standards and regulations. However, because acceptable methods of disposal may vary by location and regulatory requirements may change, the appropriate agencies should be contacted prior to disposal.

**EMPTY CONTAINER:** Non-returnable containers that held this material should be cleaned, prior to disposal, by triple rinsing. Containers which held this material may be cleaned by being triple-rinsed, and recycled, with the rinsate being incinerated. Do not cut or weld metal containers. Vapors that form may create an explosion hazard.

**14. TRANSPORT INFORMATION****U.S. DEPARTMENT OF TRANSPORTATION (DOT)**

PACKAGING TYPE:

Non-Bulk



**ADDITIONAL INFORMATION:**

This product has been reclassified from Flammable Liquid to Combustible Liquid in accordance with the provisions at 49 CFR § 173.150(f)(1). As a Combustible Liquid, this material is not subject to the hazardous materials regulations when transported within the USA in non-bulk packages per 49 CFR § 173.150(f)(2).

**PACKAGING TYPE:** Bulk  
**PROPER SHIPPING NAME:** Combustible liquid, n.o.s.  
**TECHNICAL NAME(S):** Aromatic hydrocarbons  
**PRIMARY HAZARD CLASS / DIVISION:** Combustible  
**UN/NA NUMBER:** NA 1993  
**PACKING GROUP:** III  
**MARINE POLLUTANT:** Permethrin  
**PLACARD(S):** Combustible  
**MARKING(S):** 1993  
**REPORTABLE QUANTITY (RQ):** xylene  
**ADDITIONAL INFORMATION:** Xylene is in an "RQ" quantity when this material meets or exceeds 5,000 pounds (599 gallons) per package.

**INTERNATIONAL MARITIME DANGEROUS GOODS (IMDG)**

**PACKAGING TYPE:** Non-Bulk  
**PROPER SHIPPING NAME:** Flammable liquid, n.o.s.  
**TECHNICAL NAME(S):** Aromatic hydrocarbons  
**PRIMARY HAZARD CLASS / DIVISION:** 3  
**UN/NA NUMBER:** UN 1993  
**PACKING GROUP:** III  
**MARINE POLLUTANT:** Permethrin  
**LABEL(S):** 3  
**PLACARD(S):** 3  
**MARKING(S):** Flammable liquid, n.o.s. (aromatic hydrocarbons, permethrin), UN1993 + Marine Pollutant  
**ADDITIONAL INFORMATION:** EmS Number: F-E, S-E

Flash Point: 42°C

## ADR - EUROPEAN AGREEMENT CONCERNING THE INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY ROAD

<b>PACKAGING TYPE:</b>	Non-Bulk
<b>PROPER SHIPPING NAME:</b>	Flammable liquid, n.o.s.
<b>TECHNICAL NAME(S):</b>	Aromatic hydrocarbons
<b>PRIMARY HAZARD CLASS / DIVISION:</b>	3
<b>CLASSIFICATION CODE:</b>	F1
<b>UN/NA NUMBER:</b>	UN1993
<b>PACKING GROUP:</b>	III
<b>HAZARD IDENTIFICATION NUMBER:</b>	30
<b>MARINE POLLUTANT:</b>	Permethrin
<b>LABEL(S):</b>	3
<b>PLACARD(S):</b>	3
<b>MARKING(S):</b>	UN 1993, Marine Pollutant

## INTERNATIONAL CIVIL AVIATION ORGANIZATION (ICAO) / INTERNATIONAL AIR TRANSPORT ASSOCIATION (IATA)

<b>PACKAGING TYPE:</b>	Non-Bulk
<b>PROPER SHIPPING NAME:</b>	Flammable liquid, n.o.s.
<b>TECHNICAL NAME(S):</b>	Aromatic hydrocarbons
<b>PRIMARY HAZARD CLASS / DIVISION:</b>	3
<b>UN/NA NUMBER:</b>	UN1993
<b>PACKING GROUP:</b>	III
<b>LABEL(S):</b>	3
<b>LIMITED QUANTITY:</b>	Y309 / 10 L
<b>LIMITED QUANTITY: PASSENGER / CARGO:</b>	309 / 60 L
<b>LIMITED QUANTITY: CARGO:</b>	310 / 220 L
<b>ADDITIONAL INFORMATION:</b>	Depending on requirements of the country of origin or destination, the addition of "Marine Pollutants" to the Marks and shipping paper description may be appropriate.

Marks: Flammable liquid, n.o.s. (aromatic hydrocarbons), UN1993

Marine Pollutant: Permethrin

**OTHER INFORMATION:**

HARMONIZED SYSTEM

Import to the U.S.A.: 3808.91.2500

Export from the U.S.A.: 3808.91.0000

CANADIAN TRANSPORT (TDG):

PACKAGE TYPE:

Small and large means of containment

ADDITIONAL INFORMATION:

This material is not regulated when transported by road in Canada.

**15. REGULATORY INFORMATION**

**UNITED STATES**

**SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)**

**SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355, APPENDIX A):**

Not listed

**SECTION 311 HAZARD CATEGORIES (40 CFR 370):**

Immediate, Delayed, Fire

**SECTION 312 THRESHOLD PLANNING QUANTITY (40 CFR 370):**

The Threshold Planning Quantity (TPQ) for this product, if treated as a mixture, is 10,000 lbs; however, this product contains the following ingredients with a TPQ of less than 10,000 lbs.:  
None

**SECTION 313 REPORTABLE INGREDIENTS (40 CFR 372):**

This product contains the following ingredients subject to Section 313 reporting requirements:  
Permethrin, 1,2,4-trimethylbenzene, Xylene (mixed isomers), Cumene, 1-butanol, Ethylbenzene

**CERCLA (COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY ACT)**

**CERCLA DESIGNATION & REPORTABLE QUANTITIES (RQ) (40 CFR 302.4):**

Listed

<u>Chemical Name</u>	<u>RQ</u>
Xylene	100 lb
Cumene	5,000 lb
1-butanol	5,000 lb
Ethylbenzene	1,000 lb

**FEDERAL INSECTICIDE FUNGICIDE RODENTICIDE ACT**

U.S. EPA Signal Word: CAUTION

**CANADA****WHMIS (WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM):**

Chemical Name: 1,2,4-trimethylbenzene  
Hazard Classification / Division: B3  
Ingredient Disclosure List: 0.1%  
Domestic Substance List: Listed

Chemical Name: Xylene  
Hazard Classification / Division: B2, D.2.A, D.2.B.  
Ingredient Disclosure List: 1.0%  
Domestic Substance List: Listed

Chemical Name: Cumene  
Hazard Classification / Division: B2  
Domestic Substance List: Listed

Chemical Name: 1-butanol  
Hazard Classification / Division: B2, D2B  
Ingredient Disclosure List: 1.0%  
Domestic Substance List: Listed

Chemical Name: Ethylbenzene  
Hazard Classification / Division: B2, D.2.A, D.2.B.  
Ingredient Disclosure List: 0.1%  
Domestic Substance List: Listed

**INTERNATIONAL LISTINGS**

CANADIAN 2005 / 2006 NATIONAL POLLUTANT RELEASE INVENTORY (NPRI):

Aromatic hydrocarbons: Part 5 Substance

1,2,4-trimethylbenzene: Part 1, Group 1 Substance; Part 5 Substance

Xylene: Part 1 Group 1 Substance, Part 5 Substance

Cumene: Part 1 Group 1 Substance

1-butanol: Part 1 Group 1 Substance

Ethylbenzene: Part 1 Group 1 Substance

**COMMENTS:**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations, and the MSDS contains all the information required by the Controlled Products Regulations.

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**16. OTHER INFORMATION**

**REVISION SUMMARY:**

New MSDS.

Pounce and FMC - Trademarks of FMC Corporation  
Viton - E.I. du Pont de Nemours & Co. Trademark  
SuperSoap - Trademark of Weba Technologies, Inc.; Tide - Trademark of Proctor and Gamble; Spic and  
Span: Trademark of The Spic and Span Company; Clorox - Trademark of The Clorox Company

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