

# SAFETY DATA SHEET

BiteBarrier



## Section 1: IDENTIFICATION

**Product Name:** BiteBarrier  
**EPA Registration No.:** 91879-1-3095  
**Recommended Use:** Insecticide; See product label for a complete list of uses and use sites.  
**Restrictions on Use:** See product label for any restrictions on the use of this product.  
**Chemical Family:** Pyrethroid Chemical  
**Chemical Name of Active Ingredient(s):** Transfluthrin  
**Manufactured for:** PIC Corporation  
1101-1107 West Elizabeth Ave.  
Linden, NJ 07076

**FOR FIRE, SPILL, AND/OR LEAK EMERGENCIES CONTACT: CHEMTREC 1-800-424-9300**  
**FOR MEDICAL EMERGENCIES AND HEALTH AND SAFETY INQUIRIES CONTACT: 1-800-222-1222**

## Section 2: HAZARD(S) IDENTIFICATION

**Physical hazards:** Not classified.  
**Health hazards:** Skin corrosion/irritation Category 2  
**Environmental hazards:** Hazardous to the aquatic environment, acute hazard Category 1  
**OSHA Defined hazard:** Not classified  
**Label elements:**



**Signal Word:** WARNING

**Hazard Statement(s):** Keep out of reach of Children  
Harmful if inhaled.  
Avoid breathing vapor.  
Remove and wash contaminated clothing before reuse  
Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment)

**Precautionary Statement(s):**

- Prevention:** Wash hands thoroughly after handling.  
Do not eat, drink or smoke when using this product.  
Use no more than one product per [8' x 11' x 12'] [30 cubic meters] [1,060 cubic feet] space.
- Response:** IF INHALED: Move person 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
- Storage:** Store product in a cool, dry area in its original sealed packaging until needed for use.
- Disposal:** Once product is depleted, return to original packaging, reclose and place in trash.

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

Chemical Name	CAS Number	Weight %
Transfluthrin*	118712-89-3	15.6%

\*Ingredients not listed or listed with a weight % range are considered a trade secret and are withheld under 29 CFR 1910.1200(i).

**Section 4: FIRST AID MEASURES**

**Skin Contact:** In case of skin contact, wash affected areas with water and soap. Seek medical attention if symptoms persist.

**Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if breathing problems develop.

**Eye Contact:** In case of eye contact, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention if symptoms persist.

**Ingestion:** Unlikely to occur. If symptoms persist seek medical attention.

**Section 5: FIREFIGHTING MEASURES**

- Suitable Extinguishing Media:** Water, water spray, foam, carbon dioxide and dry chemical
- Unsuitable Extinguishing Media:** Water jet
- Hazardous Combustion Products:** In case of fire, glass fibers are not flammable, are incombustible and don't support combustion. Only the packaging (plastic film, paper, cardboard, wood) is likely to burn. Binders and sizing can be combustible. Hazardous combustion products include oxides of carbon and nitrogen and formaldehyde gas.

<b>Special Protective Equipment &amp; Precautions:</b>	Under high heat or humidity may release irritating formaldehyde gas that is skin and respiratory sensitizer. Evacuate area and fight fire upwind from a safe distance to avoid hazardous vapors and decomposition products. Foam and/or dry chemical are preferred to minimize environmental contamination. If water is used, dike and collect water to prevent run-off. Wear self-contained breathing apparatus and full fire-fighting turn-out gear (Bunker gear).
<b>Unusual Fire &amp; Explosion Hazards:</b>	None known

#### Section 6: ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** See Section 8 for personal protection equipment.

**Environmental Precautions:** Prevent further spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

**Methods for Containment:** Isolate the spill area. Keep unnecessary and unprotected personnel from entering. Collect in a suitable container for disposal.

**Methods for Clean-up:** Place contaminated material in appropriate container for disposal. After removal, flush contaminated area thoroughly with water. Pick up wash liquid with additional absorbent and place in a disposable container. Do not put spilled material back in the original container.

**Other Information:** None known

#### Section 7: HANDLING & STORAGE

Refer to the pesticide label for full information on handling and storage.

**Handling:** Do not eat, drink or smoke while handling this product. Immediately wash hands after handling.

**Storage:** Store packaged products in a cool, dry and well-ventilated area. Protect from heat and humidity.

**Storage Temperature (Min/Max):** Not determined

**Product Incompatibilities:** Not determined

#### Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

**Users of a pesticide product must refer to the product label for personal protective equipment requirements.**

Exposure Guidelines: COMPONENT OSHA PEL ACGIH TLV NIOSH REL No components listed

**Engineering Controls:** Use no more than one product per [8' x 11' x 12'] [30 cubic meters] [1,060 cubic feet] space.

**Respiratory Protection:** Use only in well-ventilated areas

**Eye Protection:** Avoid contact with eyes.

**Protective Gloves:**

**Other Protective Clothing:**

**General Safety Measures:** Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.

#### Section 9: PHYSICAL & CHEMICAL PROPERTIES

**Appearance:** White crystalline powder

**Odor:** Toluene-like odor

**Odor Threshold:** Not determined

**pH (1% dispersion):** Not determined

**Melting Point:** 32° C

**Boiling Point/Range:** 242°C at 1.033 hPa

**Flash Point:** 119°C at 1.013 hPa

**Evaporation Rate:** Not determined

**Flammability:** Not applicable

**Upper/Lower Flammability Limits:** Not determined

**Vapor Pressure:**  $9 \times 10^{-4}$  Pa at 20°C

**Vapor Density:** Not determined

**Relative Density:** 1.3856 at 20°C

**Solubility in Water:** 0.057 mg/L (20 °C)

**Partition Coefficient in n-octanol/water:**  
0,057 mg/l at 20 °C

**Ignition Temperature:** 415°C

**Decomposition Temperature:** sublimes at  $\geq 204^\circ\text{C}$

**Viscosity:** Not applicable

#### Section 10: STABILITY & REACTIVITY

**Reactivity:**

No hazardous chemical reactions known.

**Chemical Stability:**

Stable under normal storage and handling conditions.

**Possibility of Hazardous Reactions:**

No potential for hazardous reactions known.

**Conditions to Avoid:**

No data available

**Incompatible Materials:**

Oxidizing materials

**Hazardous Decomposition Products:**

Thermal decomposition may produce toxic carbon and nitrogen oxides.

#### Section 11: TOXICOLOGICAL INFORMATION

**Likely Routes of Exposure:** Skin contact, Inhalation, Eye contact

**Symptoms of Exposure:** If used contrary to product instructions, may cause nervousness, anxiety, tremor, convulsions, skin allergies, sneezing, running nose and irritation

**Oral LD<sub>50</sub>:** >5000 mg/kg bw (rat)

**Dermal LD<sub>50</sub>:** >5000 mg/kg bw (rat)

**Inhalation LC<sub>50</sub>:** > 513 mg/m<sup>3</sup>, 4 hours (rat)

**Eye Irritation/Damage:** Not anticipated to be an eye irritant based upon component data.

**Skin Corrosion/Irritation:** Not anticipated to be a skin irritant based upon component data.

**Skin Sensitization:** Non-sensitizer, based upon component data.

**Mutagenicity:** Not mutagenic in vitro in bacteria, yeast or mammalian cells with or without metabolic activation, neither was the any evidence of mutagenicity from in vivo tests on rats and mice  
**Reproductive Toxicity:** No developmental toxicity nor teratogenic effects were observed in two oral teratogenicity studies in rats and rabbits  
**Neurotoxicity:** Neurotoxicity was only observed in oral gavage studies (rat) and an inhalation study (rat)  
**Target Organs:** No data available  
**Aspiration Hazard:** Not likely due to the form of the product.  
**Carcinogenicity:** This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

## Section 12: ECOLOGICAL INFORMATION

**Environmental Hazards Statement from FIFRA Regulated Pesticide Label:** No such statement

**Toxicity:** Very toxic to aquatic life with long lasting effects. Accumulation in aquatic organisms is expected

		Species	Test Result
Crustacea	LC50	Daphnia	0.0017 mg/l, 48 hours
Other	LC50	Rainbow Trout	0.7 µg/l, 96 hour

**Persistence and degradability:** No data available

**Bioaccumulative potential:** No data available

**Mobility in soil:** No data available

**Results of PBT and vPvB assessment:** No data available

**Other adverse effects:** No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

## Section 13: DISPOSAL CONSIDERATIONS

**Waste Disposal:** Refer to the pesticide label for full information on disposal.

**Container Disposal:** Refer to the pesticide label for full information on disposal.

**RCRA Characteristics:** It is the responsibility of the individual disposing of this product to determine the RCRA classification and hazard status of the waste.

## Section 14: TRANSPORTATION INFORMATION

**DOT (US)** Not dangerous goods

**UN number:** 3077      **Class:** 9

**Packing group:** III

**Environmental Hazard:** None

**IMDG**

**UN number:** 3077      **Class:** 9

**Packing group:** III E

**MS-No:** F-A, S-F

**Proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (2,3,5,6-Tetrafluorobenzyl trans-2-(2,2-dichlorovinyl)-3,3-dimethylcyclopropanecarboxylate)  
**Environmental Hazard:** Marine pollutant

**IATA**

**UN number:** 3077      **Class:** 9      **Packing group:** III  
**Proper shipping name:** Environmentally hazardous substance, solid, n.o.s. (2,3,5,6-Tetrafluorobenzyl trans-2-(2,2-dichlorovinyl)-3,3-dimethylcyclopropanecarboxylate)  
**Environmental Hazard:** None

**ADR/RID**

**UN number:** 3077      **Class:** 9      **Packing group:** III  
**Proper shipping name:** Environmentally hazardous substance, solid, n.o.s. (2,3,5,6-Tetrafluorobenzyl trans-2-(2,2-dichlorovinyl)-3,3-dimethylcyclopropanecarboxylate)  
**Environmental Hazard:** None

**Special Precautions for User:** None

**Section 15: REGULATORY INFORMATION**

**Labeling Requirements Under FIFRA:** 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:

CAUTION Harmful if swallowed or absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling.

**TSCA Inventory:** This product is exempt from TSCA inventory listing requirements as it is solely for FIFRA regulated use.

**SARA Title III Information:**

- Section 302 – Extremely hazardous substances: None
- Section 311/312 – Hazard Categories: Acute (Immediate)
- Section 313 – This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
- Part 372:

**Massachusetts Right To Know Components:**

No components are subject to the Massachusetts Right to Know Act.

**Pennsylvania Right To Know Components:**

2,3,5,6-Tetrafluorobenzyl trans-2-(2,2-dichlorovinyl)-3,3-dimethylcyclopropanecarboxylate	CAS-No. 118712-89-3	Revision Date
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**New Jersey Right To Know Components:**

2,3,5,6-Tetrafluorobenzyl trans-2-(2,2-dichlorovinyl)- 3,3-dimethylcyclopropanecarboxylate	CAS-No. 118712-89-3	Revision Date
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<b>Section 16: OTHER INFORMATION</b>
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<b>NFPA</b>	Health Hazards 1	Flammability 0	Instability 0	Special Hazards None
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