

Syngenta Crop Protection, Inc.
Post Office Box 18300
Greensboro, NC 27419

In Case of Emergency, Call
1-800-888-8372

1. PRODUCT IDENTIFICATION

Product Name: **IMPASSE TERMITE BLOCKER** Product No.: A12998E
 EPA Signal Word: Caution
 Active Ingredient(%): Lambda-Cyhalothrin Technical (0.77%) CAS No.: 91465-08-6
 Chemical Name: [1a(S*),3a(Z)]-cyano(3-phenoxyphenyl)methyl-3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethylcyclopropanecarboxylate
 Chemical Class: A pyrethroid insecticide
 EPA Registration Number(s): 100-1166 **Section(s) Revised: 2, 7, 10**

2. COMPOSITION/INFORMATION ON INGREDIENTS

Material	OSHA PEL	ACGIH TLV	Other	NTP/IARC/OSHA Carcinogen
Lambda-Cyhalothrin Technical (0.77%)	Not Established	Not Established	0.04 mg/m ³ TWA (skin)***	No

*** Syngenta Occupational Exposure Limit (OEL)

Ingredients not precisely identified are proprietary or non-hazardous. Values are not product specifications.
 Syngenta Hazard Category: B, S

3. HAZARDS IDENTIFICATION
Symptoms of Acute Exposure

Prolonged or frequently repeated skin contact may cause skin reactions in some individuals. Avoid contact with skin.
 Wear gloves when handling this product.

Hazardous Decomposition Products

Not known.

Physical Properties

Appearance: Black plastic film
 Odor: Negligible to slightly plastic-like

Unusual Fire, Explosion and Reactivity Hazards

Fire may produce noxious fumes.
 The end-use product is not explosive as designed.

4. FIRST AID MEASURES

Have the product container, label or Material Safety Data Sheet with you when calling Syngenta (800-888-8372), a poison control center or doctor, or going for treatment.

Ingestion: Not applicable.
 Eye Contact: Immediately rinse eyes with a large amount of running water. Hold eye lids apart to rinse the entire surface of the eyes and lids. Do not apply any medicating agents except on the advice of a physician.

Skin Contact: Wash with soap and water.

Inhalation: Not applicable.

Notes to Physician

There is no specific antidote if this product is ingested.

Treat symptomatically.

Medical Condition Likely to be Aggravated by Exposure

Not available.

5. FIRE FIGHTING MEASURES

Fire and Explosion

Flash Point (Test Method): Not Applicable

Flammable Limits (% in Air): Lower: % Not Applicable Upper: % Not Applicable

Autoignition Temperature: Not Applicable

Flammability: Not Flammable

Unusual Fire, Explosion and Reactivity Hazards

Fire may produce noxious fumes.

The end-use product is not explosive as designed.

In Case of Fire

CO2/Dry Chemical

6. ACCIDENTAL RELEASE MEASURES

In Case of Spill or Leak

Not Applicable.

7. HANDLING AND STORAGE

The IMPASSE Termite Blocker has been shown to be chemically and physically stable over 56 days at 122°F (50°C). Longer term testing is in progress.

The IMPASSE Termite Blocker is not expected to be corrosive and is compatible with the packaging material.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

THE FOLLOWING RECOMMENDATIONS FOR EXPOSURE CONTROLS/PERSONAL PROTECTION ARE INTENDED FOR THE MANUFACTURE, FORMULATION, PACKAGING AND USE OF THIS PRODUCT.

FOR COMMERCIAL APPLICATIONS AND/OR ON-FARM APPLICATIONS CONSULT THE PRODUCT LABEL.

Ingestion: Not applicable.

Eye Contact: Use safety glasses.

Skin Contact: Wear gloves when handling this product.

Inhalation: No respiratory protection should be needed with ambient conditions.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Black plastic film

Odor: Negligible to slightly plastic-like

Melting Point: Approx 302°F (150°C) for main component (plastic)

Boiling Point: Not Applicable

Specific Gravity/Density: 55.7 lbs./cu.ft. @ 73°F (23°C)

pH: Not Applicable

Solubility in H2O

Lambda-Cyhalothrin Technical: 0.004 mg/l

Vapor Pressure

10. STABILITY AND REACTIVITY

Stability:	Stable under normal use and storage conditions.
Hazardous Polymerization:	Not Applicable
Conditions to Avoid:	None of the components used in the IMPASSE Termite Blocker are known to be oxidizing or reducing agents.
Materials to Avoid:	None known.
Hazardous Decomposition Products:	Not known.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity/Irritation Studies (Finished Product)

Ingestion:	<u>Not Available</u>	
	Oral (LD50 Rat) :	Not Available
Dermal:	<u>Not Available</u>	
	Dermal (LD50 Animal Not Available) :	Not Available
Inhalation:	<u>Not Available</u>	
	Inhalation (LC50 Rat) :	Not Available
Eye Contact:	Not Available	
Skin Contact:	Not Available	
Skin Sensitization:	Not Available	

Reproductive/Developmental Effects

Lambda-Cyhalothrin Technical: Not a developmental or reproductive toxicant.

Chronic/Subchronic Toxicity Studies

Lambda-Cyhalothrin Technical: Reversible paresthesia (abnormal skin sensation).
Reversible clinical signs of neurotoxicity in mammals.

Carcinogenicity

Lambda-Cyhalothrin Technical: No treatment-related tumors in rats or mice.

Other Toxicity Information

None

Toxicity of Other Components

Not Applicable

Target Organs

Active Ingredients

Lambda-Cyhalothrin Technical: Liver, nervous system

Inert Ingredients

: Not Applicable

12. ECOLOGICAL INFORMATION

Summary of Effects

Lambda-Cyhalothrin Technical: Slightly toxic to birds. Highly toxic to fish, invertebrates and bees.

Eco-Acute Toxicity

Lambda-Cyhalothrin Technical:
 Bees LC50/EC50 0.038 ug/bee
 Invertebrates (Water Flea) LC50/EC50 0.00036 ppm
 Fish (Trout) LC50/EC50 0.00024 ppm
 Fish (Bluegill) LC50/EC50 0.00021 ppm
 Birds (8-day dietary - Bobwhite Quail) LC50/EC50 > 5,300 ppm
 Birds (8-day dietary - Mallard Duck) LC50/EC50 > 3,948 ppm

Eco-Chronic Toxicity

Lambda-Cyhalothrin Technical:
 Not available at this time.

Environmental Fate

Lambda-Cyhalothrin Technical:
 The information presented here is for the active ingredient, lambda-cyhalothrin.
 Not persistent in soil or water. Immobile in soil. Sinks in water (after 24 h).

13. DISPOSAL CONSIDERATIONS

Disposal

Manufacturing: Dispose of waste in an approved waste disposal facility.
 Characteristic Waste: Not Applicable
 Listed Waste: Not Applicable

14. TRANSPORT INFORMATION

DOT Classification

Not regulated.

B/L Freight Classification

Sheeting, plastic, O/T expanded, in rolls, NMFC 156830, sub2

Comments

International Transportation: Not regulated.

15. REGULATORY INFORMATION

EPCRA SARA Title III Classification

Section 311/312 Hazard Classes: Not Available

Section 313 Toxic Chemicals: Not Applicable

California Proposition 65

Not Applicable

CERCLA/SARA 302 Reportable Quantity (RQ)

None

RCRA Hazardous Waste Classification (40 CFR 261)

Not Applicable

TSCA Status

Exempt from TSCA, subject to FIFRA

16. OTHER INFORMATION

<u>NFPA Hazard Ratings</u>		<u>HMIS Hazard Ratings</u>		
Health:	0	Health:	0	0 Minimal
Flammability:	0	Flammability:	0	1 Slight
Instability:	0	Reactivity:	0	2 Moderate
				3 Serious
				4 Extreme

For non-emergency questions about this product call:

1-800-334-9481

Original Issued Date: 03/14/2003

Revision Date: 07/08/2004

Replaces: 04/19/2004

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein.

RSVP# : SCP-955-00390C

End of MSDS