



Peak Marketing
 PO Box 279
 Blue Springs, MO 64013
 800-821-5570

Material Safety Data Sheet

PRODUCT NAME: **Spectra Shield™ (4gm, 6gm or 8gm)**

EPA Registration No.: 39039-14-89400

SECTION 1 - DISTRIBUTED BY:

Manufactured for:

Name **Peak Marketing**

Address

PO Box 279

For Health Safety Emergency Only

855-777-0658

City, State, and ZIP

Blue Springs, MO 64013

Other Information Calls

800-821-5570

Date Prepared

09/28/12

Date Revised

SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY

Hazardous Component(s) (chemical & common name(s))	U.S. OSHA PEL	CAS No.	Concentration (w/w)	
			%	g/kg
ACTIVE INGREDIENTS:				
Zeta-cypermethrin, (FMC 56701) S-cyano (3-phenoxyphenyl) methyl (±) cis/trans 3-(2,2-dichloroethenyl)-2,2 dimethylcyclopropane-carboxylate* *cis/trans ratio: max. 55% (±) cis and min. 45% (±) trans	NA	52315-07-8	10.0%	100
Piperonyl Butoxide (butylcarbityl)(6-propylpiperonyl) ether and related compounds	NA	51-03-6	20.0%	200

SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS

Boiling Point NA Specific Gravity (H₂O=1) 1.14 Vapor Pressure (mm Hg) 1.9 x 10⁻⁹ mm Hg
 for zeta-cypermethrin a.i.

Vapor Density (Air=1) 1.219 g/cm³, @ 25°C for zeta-cypermethrin a.i.

Solubility in Water Essentially Insoluble

Reactivity in Water None

Appearance and Odor Dark blue tag;
essentially odorless

Melting Point Approximately 150°C (302°F)

SECTION 4 - FIRE & EXPLOSION DATA

Flash Point	Method	Flammable Limits	LEL	UEL
NA	F. C. Used NA	in Air % by Volume	Lower NA	Upper NA

Auto-Ignition Temperature NA

Extinguisher Media Foam, CO₂ or dry chemical. Soft stream water fog only if necessary. Contain all runoff.

Special Fire Fighting Procedures (For a large quantity of product)

Isolate fire area. Evacuate downwind. Wear full protective clothing and self-contained breathing apparatus.
 Do not breathe or contact smoke, gases or vapors generated. Runoff must be contained due to fish toxicity.

Unusual Fire and Explosion Hazards

NA

NA = Not Applicable

Spectra Shield™ (YT-1601 Dog Tag)**SECTION 5 - PHYSICAL HAZARDS (REACTIVITY DATA)**

Stability Unstable Conditions Do not store near heat or open flame. Opened bags containing tags should be
Stable to Avoid re-sealed for storage.

Incompatibility (Materials to Avoid) None known

Hazardous Decomposition Products On burning, may decompose to form carbon monoxide, carbon dioxide, hydrogen cyanide, chlorine and hydrogen chloride.

Hazardous Polymerization May Occur Conditions
Will Not Occur to Avoid

SECTION 6 - HEALTH HAZARDS (SIGNAL WORD: CAUTION)

1. Acute Low single dose toxicity: 2. Chronic Not Determined
Acute oral LD₅₀ >1000 mg/kg (rats, estimated for whole tag); Acute oral LD₅₀ >500 mg/kg (for small particles in male & female albino rats)
Acute dermal LD₅₀ >5000 mg/kg (male & female albino rats). Skin irritant: No (albino rabbits) Skin sensitizer: No (guinea pigs)

Signs and Symptoms of Exposure Normal use produces no apparent abnormal symptoms.

Medical Conditions Generally None presently known.
Aggravated by Exposure

Chemical Listed as Carcinogen or Potential Carcinogen National Toxicology Program Yes No I.A.R.C. Monographs Yes No OSHA Yes No

Emergency and First Aid Procedures May produce mild eye & skin irritation. If allergic skin irritation occurs, wash thoroughly with soap and water and seek medical attention.

ROUTES OF ENTRY

>1. Inhalation No apparent hazard with normal use

>2. Eyes Eye contact may cause mild irritation. Avoid eye contact with tags or used gloves. If contacted, flush with plenty of water. If irritation persists, seek medical attention.

>3. Skin Wash thoroughly with soap & water after handling.

>4. Ingestion May be harmful if swallowed. If part of tag is swallowed, may induce vomiting by giving 1-2 glasses of water & touching back of throat with finger or giving syrup of ipecac. Call physician.

SECTION 7 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Precautions to be Taken in Handling and Storage Wash thoroughly with soap & water after handling & before eating or smoking. Avoid contamination of food, feedstuffs or water. This product is toxic to fish.

Other

Precautions Store in original container in a dry, cool place away from direct sunlight.

Steps to be Taken in Case Material is Released or Spilled

Waste Disposal Methods (USA instructions) Securely wrap used tags in a plastic bag or several layers of newspaper and discard in trash. Do not reuse tag container. Discard in trash.
(Consult federal, state, and local regulations)

SECTION 8 - SPECIAL PROTECTION INFORMATION/CONTROL MEASURES

Respiratory Protection (Specify Type) None required

Ventilation Local Exhaust Mechanical (General) Special Other

Protective Gloves Wear rubber or non-permeable protective gloves when applying tags. Eye Protection None required

Other Protective Clothing or Equipment None required

Work/Hygienic Practices See Section 7

Peak Marketing, PO Box 279, Blue Springs, MO 64014