SAFETY DATA SHEET

1. IDENTIFICATION

GHS PRODUCT IDENTIFIER	**Spectra Sure Plus IGR for Cats**
OTHER MEANS OF IDENTIFICATION	EPA Registration No.: 53883-352-89400
PRODUCT TYPE	Liquid
IDENTIFIED USES	Flea & tick treatment.
SUPPLIER'S DETAILS	Peak Marketing PO Box 279 Blue Springs, MO 64013
EMERGENCY TELEPHONE (WITH HOURS OF OPERATION)	Medical Emergency: 1-855-777-0658
FOR CHEMICAL EMERGENCY SPILL, LEAK, FIRE, EXPOSURE, OR ACCIDENT	Call CHEMTREC Day or Night Within USA and Canada: 1-800-424-9300

2. HAZARDS IDENTIFICATION

OSHA/HCS STATUS

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

ACUTE TOXICITY (oral) - Category 4
SKIN CORROSION/IRRITATION - Category 2
SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A
CARCINOGENICITY - Category 1B
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1
AQUATIC HAZARD (ACUTE) - Category 1
AQUATIC HAZARD (LONG-TERM) - Category 1

GHS LABEL ELEMENTS

HAZARD PICTOGRAMS

SIGNAL WORD

Danger

HAZARD STATEMENTS

Harmful if swallowed.
Causes serious eye irritation.
Causes skin irritation.
May cause cancer.
Causes damage to organs through prolonged or repeated exposure.
Very toxic to aquatic life with long lasting effects.

2. HAZARDS IDENTIFICATION

PRECAUTIONARY STATEMENTS

GENERAL

Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.

PREVENTION

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Wear protective gloves. Wear eye or face protection. Avoid release to the environment. Do not breathe vapor. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.

RESPONSE

Collect spillage. Get medical attention if you feel unwell. IF exposed or concerned: Get medical attention. IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell. Rinse mouth. IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

STORAGE

Store locked up.

DISPOSAL

Dispose of contents and container in accordance with all local, regional, national and international regulations.

HAZARDS NOT OTHERWISE CLASSIFIED

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

SUBSTANCE/MIXTURE

Mixture

OTHER MEANS OF IDENTIFICATION

EPA Registration No.: 53883-352-89400

CAS NUMBER/OTHER IDENTIFIERS

CAS NUMBER

Not applicable.

PRODUCT CODE

Not available.

INGREDIENT NAME	%	CAS NUMBER	PURE SUBSTANCE CLASSIFICATION
2-(2-Ethoxyethoxy)ethanol	60 - 100	111-90-0	SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2B
2,4-Dodecadienoic acid, 11-methoxy-3,7,11-trimethyl-,1-methylethyl ester, (2E,4E,7S)-	10 - 30	65733-16-6	SKIN CORROSION/IRRITATION - Category 2 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 AQUATIC HAZARD (ACUTE) - Category 1
Fipronil (ISO)	5 - 10	120068-37-3	ACUTE TOXICITY (oral) - Category 3 ACUTE TOXICITY (dermal) - Category 3 ACUTE TOXICITY (inhalation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1 AQUATIC HAZARD (ACUTE) - Category 1 AQUATIC HAZARD (LONG-TERM) - Category 1
Tert-butyl-4-methoxyphenol	0 - 0.1	25013-16-5	ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (dermal) - Category 4 ACUTE TOXICITY (inhalation) - Category 4 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A CARCINOGENICITY - Category 1B SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3

3. COMPOSITION/INFORMATION ON INGREDIENTS

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

4. FIRST AID MEASURES

DESCRIPTION OF NECESSARY FIRST AID MEASURES

EYE CONTACT

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 20 minutes. Get medical attention.

INHALATION

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

SKIN CONTACT

Flush contaminated skin with plenty of water. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 20 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.

INGESTION

Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. If necessary, call a poison center or physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED

POTENTIAL ACUTE HEALTH EFFECTS

EYE CONTACT

Causes serious eye irritation.

INHALATION

Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.

SKIN CONTACT

Causes skin irritation.

INGESTION

Harmful if swallowed. Irritating to mouth, throat and stomach.

SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS

EYE CONTACT

Adverse symptoms may include the following:
pain or irritation
watering
redness

INHALATION

No known significant effects or critical hazards.

SKIN CONTACT

Adverse symptoms may include the following:
irritation
redness

INGESTION

No known significant effects or critical hazards.

4. FIRST AID MEASURES

DELAYED AND IMMEDIATE EFFECTS AND ALSO CHRONIC EFFECTS FROM SHORT AND LONG TERM EXPOSURE

SHORT TERM EXPOSURE

POTENTIAL IMMEDIATE EFFECTS	No known significant effects or critical hazards.
POTENTIAL DELAYED EFFECTS	No known significant effects or critical hazards.

LONG TERM EXPOSURE

POTENTIAL IMMEDIATE EFFECTS	No known significant effects or critical hazards.
POTENTIAL DELAYED EFFECTS	No known significant effects or critical hazards.

POTENTIAL CHRONIC HEALTH EFFECTS

GENERAL	Causes damage to organs through prolonged or repeated exposure.
CARCINOGENICITY	May cause cancer. Risk of cancer depends on duration and level of exposure.
MUTAGENICITY	No known significant effects or critical hazards.
TERATOGENICITY	No known significant effects or critical hazards.
DEVELOPMENTAL EFFECTS	No known significant effects or critical hazards.
FERTILITY EFFECTS	No known significant effects or critical hazards.

OVER-EXPOSURE SIGNS/SYMPTOMS

EYE CONTACT	Adverse symptoms may include the following: pain or irritation watering redness
INHALATION	No known significant effects or critical hazards.
SKIN CONTACT	Adverse symptoms may include the following: irritation redness
INGESTION	No known significant effects or critical hazards.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED, IF NECESSARY

NOTES TO PHYSICIAN	In case of inhalation of decomposition products in a fire, symptoms may be delayed.The exposed person may need to be kept under medical surveillance for 48 hours.
SPECIFIC TREATMENTS	No specific treatment.
PROTECTION OF FIRST-AIDERS	No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

SUITABLE EXTINGUISHING MEDIA	Use an extinguishing agent suitable for the surrounding fire.
UNSUITABLE EXTINGUISHING MEDIA	None known.

5. FIRE-FIGHTING MEASURES

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL

This material is very toxic to aquatic life with long lasting effects. Water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

HAZARDOUS THERMAL DECOMPOSITION PRODUCTS

Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
nitrogen oxides
Sulfur oxides
halogenated compounds

SPECIAL PROTECTIVE ACTIONS FOR FIRE-FIGHTERS

No special measures are required.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

FOR NON-EMERGENCY PERSONNEL

No action shall be taken involving any personal risk or without suitable training. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

FOR EMERGENCY RESPONDERS

If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in “For nonemergency personnel”.

ENVIRONMENTAL PRECAUTIONS

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

SMALL SPILL

Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

LARGE SPILL

Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

PROTECTIVE MEASURES

Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Avoid release to the environment. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

7. HANDLING AND STORAGE

ADVICE ON GENERAL OCCUPATIONAL HYGIENE

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. See also Section 8 for additional information on hygiene measures.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

NFPA STORAGE LEVEL FOR AEROSOLS

Not available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS

OCCUPATIONAL EXPOSURE LIMITS

Ingredient name	Exposure limits
2-(2-Ethoxyethoxy)ethanol	**AIHA WEEL (United States, 5/2010).** TWA: 25 ppm 8 hours.

All non-listed ingredients from Section 3 do not have an OEL value.

APPROPRIATE ENGINEERING CONTROLS

If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

ENVIRONMENTAL EXPOSURE CONTROLS

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

INDIVIDUAL PROTECTION MEASURES

HYGIENE MEASURES

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

EYE/FACE PROTECTION

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

SKIN PROTECTION

HAND PROTECTION

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

BODY PROTECTION

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

OTHER SKIN PROTECTION

Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION	Use a properly fitted, air-purifying or supplied air respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	
PHYSICAL STATE	Liquid. [Clear.]
COLOR	Pale yellow.
ODOR	Pleasant. [Slight]
ODOR THRESHOLD	Not available.
pH	Not available.
MELTING POINT	Not available.
BOILING POINT	Not available.
FLASH POINT	Closed cup: >93.333°C (>200°F)
EVAPORATION RATE	Not available.
FLAMMABILITY (SOLID, GAS)	Not flammable.
LOWER AND UPPER EXPLOSIVE (FLAMMABLE) LIMITS	Not flammable.
VAPOR PRESSURE	Not available.
VAPOR DENSITY	Not available.
RELATIVE DENSITY	1 to 1.05 g/mL
SOLUBILITY	Insoluble in the following materials: cold water and hot water.
PARTITION COEFFICIENT: N-OCTANOL/WATER	Not available.
AUTO-IGNITION TEMPERATURE	Not applicable.
DECOMPOSITION TEMPERATURE	Not available.
VISCOSITY	Dynamic (room temperature): 5 to 15 mPa·s (5 to 15 cP)
VOC CONTENT	79.6 % (w/w)

10. STABILITY AND REACTIVITY

REACTIVITY	No specific test data related to reactivity available for this product or its ingredients.
CHEMICAL STABILITY	The product is stable.
POSSIBILITY OF HAZARDOUS REACTIONS	Under normal conditions of storage and use, hazardous reactions will not occur.
CONDITIONS TO AVOID	No specific data.
INCOMPATIBLE MATERIALS	Reactive or incompatible with the following materials: oxidizing materials, acids and alkalis.

10. STABILITY AND REACTIVITY

HAZARDOUS DECOMPOSITION PRODUCTS

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. TOXICOLOGICAL INFORMATION

NUMERICAL MEASURES OF TOXICITY

ACUTE TOXICITY ESTIMATES

Route	ATE Value
Inhalation (vapors)	31.4 mg/L

INFORMATION ON TOXICOLOGICAL EFFECTS

ACUTE TOXICITY

Product/ingredient name	Result	Species	Dose	Exposure
ZoGuard Plus for Cats	LD50 Dermal	Rat	>5000 mg/kg	-
	LD50 Oral	Rat	750 mg/kg	-
2-(2-Ethoxyethoxy)ethanol	Fipronil (ISO)	LD50 Oral	Rat	7500 mg/kg	-
		LD50 Dermal	Rabbit	354 mg/kg	-
		LD50 Oral	Rat	97 mg/kg	-
Tert-butyl-4-methoxyphenol	LD50 Oral	Rat	2 g/kg	-

IRRITATION/CORROSION

Product/ingredient name	Result	Species	Score	Exposure	Observation
ZoGuard Plus for Cats	Skin - Mild irritant	Rabbit	-	4 hours	72 hours
	Eyes - Irritant	Rabbit	-	-	-
2-(2-Ethoxyethoxy)ethanol	Eyes - Mild irritant	Rabbit	-	125 mg	-
	Eyes - Moderate irritant	Rabbit	-	500 mg	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 mg	-

SENSITIZATION

Product/ingredient name	Route of exposure	Species	Result
ZoGuard Plus for Cats	Skin	Guinea pig	Not sensitizing

CARCINOGENICITY

CLASSIFICATION

Product/ingredient name	OSHA	IARC	NTP	ACGIH	EPA	NIOSH
Tert-butyl-4-methoxyphenol	-	2B	Reasonably anticipated to be a human carcinogen.	-	-	None

SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)

Name	Category	Route of exposure	Target organs
2,4-Dodecadienoic acid, 11-methoxy-3,7,11-trimethyl-, 1-methylethyl ester, (2E,4E,7S)-	Category 3	Not applicable.	Respiratory tract irritation
Tert-butyl-4-methoxyphenol	Category 3	Not applicable.	Respiratory tract irritation

SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE)

Name	Category	Route of exposure	Target organs
Fipronil (ISO)	Category 1	Not determined	Not determined

11. TOXICOLOGICAL INFORMATION

ASPIRATION HAZARD
There is no data available.

INFORMATION ON THE LIKELY ROUTES OF EXPOSURE	Dermal contact. Eye contact. Inhalation. Ingestion.

POTENTIAL ACUTE HEALTH EFFECTS

EYE CONTACT	Causes serious eye irritation.
INHALATION	Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
SKIN CONTACT	Causes skin irritation.
INGESTION	Harmful if swallowed. Irritating to mouth, throat and stomach.

SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS

EYE CONTACT	Adverse symptoms may include the following: pain or irritation watering redness
INHALATION	No known significant effects or critical hazards.
SKIN CONTACT	Adverse symptoms may include the following: irritation redness
INGESTION	No known significant effects or critical hazards.

DELAYED AND IMMEDIATE EFFECTS AND ALSO CHRONIC EFFECTS FROM SHORT AND LONG TERM EXPOSURE

SHORT TERM EXPOSURE

POTENTIAL IMMEDIATE EFFECTS	No known significant effects or critical hazards.
POTENTIAL DELAYED EFFECTS	No known significant effects or critical hazards.

LONG TERM EXPOSURE

POTENTIAL IMMEDIATE EFFECTS	No known significant effects or critical hazards.
POTENTIAL DELAYED EFFECTS	No known significant effects or critical hazards.

POTENTIAL CHRONIC HEALTH EFFECTS

GENERAL	Causes damage to organs through prolonged or repeated exposure.
CARCINOGENICITY	May cause cancer. Risk of cancer depends on duration and level of exposure.
MUTAGENICITY	No known significant effects or critical hazards.
TERATOGENICITY	No known significant effects or critical hazards.
DEVELOPMENTAL EFFECTS	No known significant effects or critical hazards.
FERTILITY EFFECTS	No known significant effects or critical hazards.

12. ECOLOGICAL INFORMATION

TOXICITY

PRODUCT/INGREDIENT NAME	RESULT	SPECIES	EXPOSURE
ZoGuard Plus for Cats	ATE = Acute LC50 0.00983 mg/L (% unknown and assumed non-hazardous: 1.08%)	-	48 hours
2-(2-Ethoxyethoxy)ethanol	Acute LC50 4670000 µg/L Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
	Acute LC50 9650000 µg/L Fresh water	Fish - Pimephales promelas	96 hours
2,4-Dodecadienoic acid, 11-methoxy-3,7,11-trimethyl-, 1-methylethyl ester,(2E,4E,7S)-	Acute EC50 0.071 ppm Fresh water	Daphnia - Daphnia pulex	48 hours
	Acute LC50 66 ppm Fresh water	Fish - Lepomis macrochirus	96 hours
	Chronic NOEC 0.048 ppm	Fish - Pimephales promelas	37 days
Fipronil (ISO)	Acute EC50 631.2 µg/L Marine water	Algae - Dunaliella tertiolecta - Exponential growth phase	96 hours
	Acute EC50 0.99 µg/L Fresh water	Crustaceans - Ceriodaphnia dubia - Neonate	48 hours
	Acute EC50 40.392 µg/L Fresh water	Daphnia - Daphnia pulex - Neonate	48 hours
	Acute LC50 83 ppb Fresh water	Fish - Lepomis macrochirus	96 hours
	Chronic NOEC 250 µg/L Marine water	Algae - Dunaliella tertiolecta - Exponential growth phase	96 hours
	Chronic NOEC 13 µg/L Fresh water	Aquatic plants - Oryza sativa - Seed	4 days
	Chronic NOEC 0.16 µg/L Marine water	Crustaceans - Amphiascus tenuiremis - Copepodite	21 days
	Chronic NOEC 9.6 ppb Marine water	Daphnia - Daphnia magna	21 days
	Chronic NOEC 0.05 µg/L	Fish - Rhamdia quelen	60 days

PERSISTENCE AND DEGRADABILITY

There is no data available.

BIOACCUMULATIVE POTENTIAL

PRODUCT/INGREDIENT NAME	$LogP_{ow}$	BCF	POTENTIAL
2-(2-Ethoxyethoxy)ethanol	-0.54	-	low
Fipronil (ISO)	4	-	high
Tert-butyl-4-methoxyphenol	1	57.07	low

MOBILITY IN SOIL

SOIL/WATER PARTITION COEFFICIENT (K_{OC}) Not available.

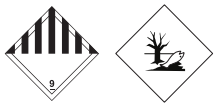
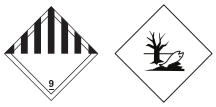
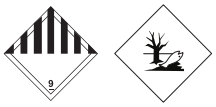
OTHER ADVERSE EFFECTS No known significant effects or critical hazards.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHODS

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling empty containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

14. TRANSPORT INFORMATION

	DOT CLASSIFICATION	IMDG	IATA
UN NUMBER	UN3082	UN3082	UN3082
UN PROPER SHIPPING NAME	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (S-Methoprene, Fipronil (ISO))	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (S-Methoprene, Fipronil (ISO))	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (S-Methoprene, Fipronil (ISO))
TRANSPORT HAZARD CLASS(ES)	9 	9 	9 
PACKING GROUP	III	III	III
ENVIRONMENTAL HAZARDS	Yes	Yes	Yes
ADDITIONAL INFORMATION	Non-bulk packages of this product are not regulated as hazardous materials unless transported by inland waterway. The marine pollutant mark is not required when transported on inland waterways in sizes of ≤5 L or ≤5 kg. **Remarks** Limited Quantity Exemption	The marine pollutant mark is not required when transported in sizes of ≤5 L or ≤5 kg. **Remarks** Limited Quantity Exemption	The environmentally hazardous substance mark is not required when transported in sizes of ≤5 L or ≤5 kg. **Remarks** Limited Quantity Exemption

AERG : 171

SPECIAL PRECAUTIONS FOR USER

Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

15. REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

United States inventory (TSCA 8b): Not determined.

CLEAN AIR ACT SECTION 112 (B) HAZARDOUS AIR POLLUTANTS (HAPs)

Listed

CLEAN AIR ACT SECTION 602 CLASS I SUBSTANCES

Not listed

CLEAN AIR ACT SECTION 602 CLASS II SUBSTANCES

Not listed

DEA LIST I CHEMICALS (PRECURSOR CHEMICALS)

Not listed

DEA LIST II CHEMICALS (ESSENTIAL CHEMICALS)

Not listed

STATE REGULATIONS

MASSACHUSETTS

None of the components are listed.

NEW YORK

None of the components are listed.

NEW JERSEY

The following components are listed: 2-(2-Ethoxyethoxy)ethanol; Tert-butyl-4-methoxyphenol

PENNSYLVANIA

The following components are listed: 2-(2-Ethoxyethoxy)ethanol

15. REGULATORY INFORMATION

CALIFORNIA PROP. 65
WARNING: This product contains a chemical known to the State of California to cause cancer.

INGREDIENT NAME	CANCER	REPRODUCTIVE	NO SIGNIFICANT RISK LEVEL	MAXIMUM ACCEPTABLE DOSAGE LEVEL
Tert-butyl-4-methoxyphenol	Yes	No	Yes	No

EPA LABEL CONTENT

Spectra Sure Plus IGR for Cats

Kills Ticks including those that may transmit Lyme disease.

READ ENTIRE LABEL BEFORE EACH USE. USE ONLY ON CATS AND KITTENS OVER 8 WEEKS OF AGE.

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS. CAUTION. Harmful if swallowed. Causes eye irritation. Avoid contact with skin, eyes or clothing. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

Hazards To Domestic Animals
For external use on cats only. Individual sensitivities, while rare, may occur after using any pesticide product on cats. Certain medications can interact with pesticides. Do not treat your cat with more than one pesticide product at a time. Over dosing your cat can result in serious illness and even death. Consult a veterinarian before using on medicated, debilitated, or aged cats. Can be used on breeding, pregnant, or lactating cats. Consult a veterinarian before using on cats with known organ dysfunction.

First Aid
If Swallowed: • Call a poison control center or a doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

If In Eyes: • Flush eyes with plenty of water. Call a doctor if irritation persists.

If On Skin: • Wash with plenty of soap and water. Get medical attention if irritation persists.

Hot Line Number
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-855-777-0658 for emergency medical treatment information.

Directions For Use
It is a violation of Federal law to use this product in a manner inconsistent with its labeling. DO NOT ALLOW CHILDREN TO APPLY PRODUCT. TO PREVENT HARM TO YOU AND YOUR CAT READ ENTIRE LABEL BEFORE EACH USE. FOLLOW ALL DIRECTIONS AND PRECAUTIONARY STATEMENTS CAREFULLY. Do not use on rabbits or animals other than cats. Do not allow your cat to ingest this product. Do not use on kittens under 8 weeks of age. Do not apply to cats weighing less than 1.5 lbs. Do not double-dose cats. Use entire contents of tube on each cat. Do not split one tube between two cats. Separate the treated cat from all other cats and dogs for 24 hours after treatment has been applied.

If you have questions or comments about this product, please write:
Peak Marketing, PO Box 279, Blue Springs, MO 64013
In Case of Emergency, Call: 1-855-777-0658

Side Effects: Monitor your cat after application. Some cats may experience temporary startle effects when any product is applied. Cats may experience some temporary irritation at the site of product application such as redness, scratching or other signs of discomfort. If signs of sensitivity occur, bathe your cat with a mild soap and rinse with large amounts of water. If these or other side effects occur, consult your veterinarian or call 1-855-777-0658. If your cat has an unusual reaction to the initial application, consult a veterinarian before repeating application. The most common signs of incidental ingestion are excessive salivation and foaming at the mouth. If these symptoms occur, immediately feed your cat and continue to monitor your cat for the next 24 hours.

How To Open
Remove product tubes from the package. Separate one tube from the others. Hold the tube with notched end pointing up and away from the face and body. Use scissors to cut off the narrow end at the notches along the line.

15. REGULATORY INFORMATION

How To Apply
While holding the cat with one hand, use the other hand to apply the solution. Invert the tube and use the narrow end to part the cat's hair. Apply contents of one tube of this product as a spot between the shoulder blades. Hold the cat for a few seconds to give the solution time to be absorbed into the cat's coat. When finished, wrap the tube in paper and put into the trash. Only one applicator per treatment is needed.

FREQUENCY OF APPLICATION: Use this product monthly for complete control of flea, tick, and chewing lice infestations. Studies show that this product kills adult fleas for up to six weeks. Apply monthly if your cat is at high risk for flea reinfestation. Apply monthly to control ticks and chewing lice. This product remains effective even after bathing, water immersion, or exposure to sunlight. Allow treated area to dry thoroughly. Do not reapply for thirty (30) days.

EPA Reg. No. 53883-352-89400, EPA Est. No. 2517-NE-02

STORAGE AND DISPOSAL
PESTICIDE STORAGE: Do not remove tube from the pack until ready to use. Store in a cool (below 77°F/25°C) dry place inaccessible to children and pets. Do not refrigerate. Protect from direct sunlight. CONTAINER DISPOSAL: If empty: Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available. If partly filled: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

16. OTHER INFORMATION

HISTORY

DATE OF ISSUE MM/DD/YYYY	09/30/2014
VERSION	1
REVISED SECTION(S)	Not applicable.
PREPARED BY	KMK Regulatory Services Inc.
KEY TO ABBREVIATIONS	ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = Intermediate Bulk Container IMDG = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) UN = United Nations

Notice to reader
To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.