

SECTION 1: IDENTIFICATION OF THE SUBSTANCE AND SUPPLIER

Product name:	BROADLINE Spot-On Solution for Cats
Product code:	A010901
Recommended use:	For the treatment, prevention and control of flea, tick and biting lice infestations and internal parasite infestation on cats and kittens.
Company details:	Boehringer Ingelheim Animal Health New Zealand Limited
Address:	Level 3, Boehringer Ingelheim Building 2 Osterley Way Manukau City Auckland 2104 New Zealand
Telephone number:	Phone: +64 9 980 1600 Fax: +64 9 980 1601
Emergency telephone number:	Boehringer Ingelheim Freephone: 0800 800 822 National Poisons Centre: 0800 764 766 (0800 POISON) Fire Service, Ambulance: Dial 111
Date of preparation:	2 July 2013

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization: Insecticide

Product components:

<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
Fipronil	120068-37-3	8.3
(s) methoprene	65733-16-6	10
Praziquantel	55268-74-1	8.3
Eprinomectin	123997-26-2	0.4
Non hazardous substances	9003-39-8	73

SECTION 3: HAZARDS IDENTIFICATION

Hazard classifications: 6.1D, 6.3B, 6.4A, 6.9B, 9.1A, 9.3B, 9.4A

Priority and secondary identifiers: Harmful – keep out of reach of children
Ecotoxic

Risk and safety phrases:

Harmful – may be harmful if swallowed, inhaled or absorbed through the skin. Do not eat, drink or smoke while using. Wear protective clothing such as impervious gloves, waterproof hat, coat and trousers when using. Remove protective clothing and wash hands and face thoroughly before meals and after work.

Warning – may cause mild skin irritation. Avoid skin contact.

Harmful – may cause eye irritation. Avoid contact with eyes.

Harmful – May cause organ damage from repeated oral exposure at high doses

Do not eat, drink or smoke while handling this material. Wash hands thoroughly after handling.

Ecotoxic – Very toxic to aquatic organisms. Avoid contamination of any water supply with product or empty container.

Toxic to terrestrial vertebrates.

Very toxic to terrestrial invertebrates. Apply only as directed

SECTION 4: FIRST AID MEASURES

Necessary first aid measures:	<p>Contact the National Poisons Information Centre for further information: phone 0800 POISON (764 766)</p> <p><u>Eye Contact:</u> If in eyes, hold eyelids apart and flush the eye continuously with running water for at least 15 minutes. Remove contact lenses if present. If ocular irritation persists, seek medical attention.</p> <p><u>Skin Contact:</u> If skin or hair contact occurs, remove contaminated clothing and wash skin and hair with soap and water. If skin irritation develops and persists or reoccurs, seek medical attention.</p> <p><u>Inhalation:</u> If vapour or mist inhaled, and breathing is difficult, move to fresh air and seek medical attention.</p> <p><u>Ingestion:</u> If swallowed, rinse mouth and seek medical attention.</p>
Workplace facilities:	N/A
Required instructions:	N/A
Notes for medical personnel:	The active ingredient, fipronil, is a phenylpyrazole that disrupts normal nerve function by blocking GABA-gated chloride channels. The action is selectively toxic to insects. Methoprene is of low toxicity with an NOEL rat is 250mg/kg/day.

SECTION 5: FIRE FIGHTING MEASURES

Type of hazard:	
Fire hazard properties:	
Regulatory requirements:	N/A
Extinguishing media and methods:	<p>Recommended fire fighting media – water spray/fog, dry chemical, CO2 or alcohol resistant foam.</p> <p>Unsuitable – water jets.</p> <p>Contain spread of the fire fighting media.</p> <p>Spray water on containers to cool. Contain contaminated fire-fighting water.</p>
Hazchem code:	
Recommended protective clothing:	Emergency workers should wear full protective equipment and supplied-air breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Emergency procedures:	For small spills, use protective equipment as prescribed in Section 8. Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material in sealed container as waste according to section 13.
Environmental Data:	Avoid release into the environment.
Personal Precautions:	Evacuate unnecessary personnel and eliminate all sources of ignition. Follow protective measures provided under Section 8.
Method for Cleaning Up	For small spills, soak up with absorbent materials and place in properly labeled containers.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling:	Ventilation. Avoid any direct contact with the product. When using, do not eat, drink or smoke. Do not get in eyes, skin or clothing.
Regulatory requirements:	N/A
Handling practices:	N/A
Approved handlers:	Not required
Conditions for safe storage:	Keep out of reach of children. Keep container tightly closed and in a well ventilated place. Keep away from source of ignition. No smoking.
Store site requirements:	N/A
Protect against fires & explosion:	Keep ignition sources away. Do not smoke. Protect against electrostatic charges. Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilating and/or lighting equipment. Use only non-sparking tools.

SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

Workplace exposure standards:	N/A
Application in the workplace:	N/A
Exposure standards outside the workplace:	N/A
Engineering controls:	Use local exhaust ventilation to prevent accumulation of vapors.
Personal protection:	<u>Eyes/face:</u> Wear chemical splash goggles when cleaning spilled mixture or if the potential for eye contact exists, wear safety glasses with side shields for normal handling. <u>Skin:</u> Wear butyl rubber, neoprene, vinyl or other chemical resistant impervious gloves. <u>Respiratory:</u> Wear approved/certified respirator when cleaning up spills. For normal use, ensure adequate exhaust ventilation. <u>General hygiene:</u> Do not eat, drink or smoke while using this mixture. Wash hands thoroughly after use. Wear protective clothing.
Other:	Provide emergency shower and eyewash facility in close proximity to use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Specify product data:	<u>Appearance:</u> Colourless to yellow liquid solution.
Required specifications:	N/A
Further specifications:	N/A
Specific advice:	N/A

SECTION 10: STABILITY AND REACTIVITY

Stability of the substance:	Stable under normal conditions of use. No dangerous reaction known under normal conditions of use.
Conditions to avoid:	Exposure to heat, sparks or flame.
Material to avoid:	Strong oxidizing agents
Hazardous decomposition products:	When heated to decomposition may produce oxides of carbon and nitrogen as well as other uncharacterized decomposition products.
Hazardous polymerization:	Will not occur
Specific data:	N/A

SECTION 11: TOXICOLOGICAL INFORMATION**Data and interpretation:****CARCINOGENICITY:**

Fipronil is classified at a Group C Possible Human Carcinogen based on laboratory animal studies (increased thyroid tumors in male and female rats). Based on known species differences between rat and human, the rat thyroid tumors are not considered relevant for human health risk. None of the remaining ingredients in the mixture are considered to be carcinogenic.

Summaries data:**Effects of Acute Exposure:**

Eye Contact: The formulation was non-irritating to the eyes of rabbits.

Skin Contact: The formulation was non-irritating on dermal application to rabbits.

LD50 dermal route >5000 mg/kg (rat)

No sensitising effect on guinea pig.

Inhalation: LC50 inhale (4hr) >6.32mg/L (rat)

Ingestion: LD50 oral route >2995mg/kg (rat)

Known antidote: No specific antidote known. Symptomatic treatment.

This product is a veterinary medicine and should be regarded as harmful if swallowed or absorbed. Does not contain heavy metals or halogenated compounds. Health effects from the likely routes of exposure:

LD50 acute oral rat: 750mg/kg

LD50 acute dermal rat: 5000mg/kg

Skin irritation (rabbit): Mild skin irritant

Eye irritation (rabbit): Eye irritant

Sensitisation (guinea pig) : Not a sensitising agent

Genotoxicity: Not available

Local effects of Product: Irritant to eyes and skin

Target organs: Eyes, skin, CNS

Hazardous ingredients: Fipronil R-PHRASW 20/21-36

HARMFUL BY INHALATION AND IN CONTACT WITH SKIN

Mutagenicity Data: not available

Sub-acute to chronic toxicity: There are no data on the reproductive effects of this mixture. One component of this product produced slight adverse reproductive effects at 2.5% in drinking water. For fipronil, the No Effect Level (NOEL) for adverse reproductive effects

in rats was approximately 2.5mg/kg/day, with higher doses causing adverse effects. Acute and chronic overexposure to bulk volumes of Technical Fipronil produced adverse neurological effects in animals (rabbits), including changes in neuromuscular endpoints and seizures.

Additional toxicological information: Symptoms of respiratory depression or central nervous system depression (fatigue, lethargy or dizziness) may occur if exposed to bulk volumes of ingredients. This is a veterinary medicine and should be regarded as harmful if swallowed or absorbed.

Effects of Chronic Exposure: No further information available

SECTION 12: ENVIRONMENTAL INFORMATION

Potential environmental interactions: Some ingredients of the mixture are very toxic to aquatic life. Avoid release into the environment.

Data organisation : N/A

Environmental risk and safety phrases:

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal information : To dispose of material, incineration in a licensed installation or place in an authorized landfill in accordance with Local Body regulations (product and contaminated packaging).

SECTION 14: TRANSPORT INFORMATION

Relevant information: Maximum Transport Quantity: 250 L
DG Class 9 for road transport
UN 3082
Tracking not required

Other requirements: N/A

SECTION 15: REGULATORY INFORMATION

Regulatory status: Registered pursuant to the ACVM Act 1997, No.010901. See www.foodsafety.govt.nz for registration conditions. Approved pursuant to the HSNO Act 1996, Approval Code HSR100757. See www.epa.govt.nz for approval conditions.

HSNO and ACVM controls: Refer to Section 3

List exposure limits: N/A

SECTION 16: OTHER INFORMATION

Additional information: For product information visit the Boehringer Ingelheim website www.boehringer-ingelheim.co.nz

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