

### Section 1: Identification of the Substance and Supplier

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|----------------------------|--|
| <b>Product name</b>        | <b>Bravecto</b>  |
| <b>Recommended use</b>     | For oral flea and tick treatment in dogs   |
| <b>Company details</b>     | <b>MSD Animal Health, 33 Whakatiki Street, Upper Hutt</b><br><br><b>Phone: 0800 800 543 Fax: 0800 808 100</b><br><b>Website: www.msd-animal-health.co.nz</b><br><b>Hours: 8 am – 5 pm, Mon – Fri</b> |
| <b>Emergency telephone</b> | <b>0800 764 766 (0800 POISON) 24 hours human health</b><br><b>0800 243 622 (0800 CHEMCALL) 24 hours</b>  |
| <b>Date of preparation</b> | May 2014   |

### Section 2: Hazards Identification

|                                  |  |
|----------------------------------|--|
| <b>Hazard classifications</b>    | 6.1E, 6.3B, 9.1A   |
| <b>Priority identifiers</b>      | <b>Warning</b><br><b>Ecotoxic</b>  |
| <b>Secondary identifier</b>      | 6.1E May be harmful if swallowed, inhaled or absorbed through the skin.<br>6.3B May cause skin irritation<br>9.1A Very toxic to aquatic organisms with long-lasting effects. |
| <b>Risk &amp; Safety Phrases</b> | R50 Very toxic to aquatic organisms  |

### Section 3: Composition/Information on Ingredients

| Chemical name          | CAS number  | Concentration |
|------------------------|-------------|---------------|
| Fluralaner             | 846731-61-3 | 13.64%        |
| Sodium lauryl sulphate | 151-21-3    | <5 %          |
| Disodium Pamoate       | 6640-22-8   | <5 %          |

### Section 4: First Aid Measures

#### Necessary first aid measures

**SKIN CONTACT** In case of skin contact, carefully remove any contaminated clothing, including shoes, and wash skin thoroughly with soap and water. If irritation or symptoms occur or persist, consult a doctor.

**EYE CONTACT** In case of eye contact, immediately rinse eyes thoroughly with plenty of water. If wearing contact lenses, remove only after initial rinse, and continue rinsing eyes for at least 15 minutes. If irritation occurs or persists, consult a doctor.

**INGESTION** Rinse mouth with water and drink a glass of water. DO NOT induce vomiting unless under the direction of a qualified medical professional or National Poisons Centre. If symptoms persist, consult a doctor.

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**INHALATION** Remove affected person promptly to fresh air. Administer artificial respiration if breathing has ceased.

**Required instructions** For advice contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor.

### Section 5: Fire Fighting Measures

|  |  |
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| <b>Type of hazard</b>                  | Not classified as flammable  |
| <b>Fire hazard properties</b>          | Not applicable   |
| <b>Regulatory requirements</b>         | Not applicable   |
| <b>Extinguishing media and methods</b> | Carbon dioxide (CO <sub>2</sub> ), extinguishing powder or water spray.      |
| <b>Hazchem code</b>                    | 2X   |
| <b>Recommended protective clothing</b> | Wear full protective clothing and self-contained breathing apparatus (SCBA). |

### Section 6: Accidental Release Measures

|                             |  |
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| <b>Emergency procedures</b> | Wear chemical resistant gloves and overalls, facemask or goggles. Prevent further spillage. Recover and salvage product where possible. Otherwise sweep up and collect and place in sealable container for disposal. Seek advice from the local authority regarding disposal. Avoid contamination of any water source with product or empty container. |
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### Section 7: Handling and Storage

|                                      |  |
|--------------------------------------|--|
| <b>Precautions for safe handling</b> | Avoid contact with skin, eyes, and mucosa. Keep containers adequately sealed during material transfer, transport, or when not in use.  |
| <b>Regulatory requirements</b>       | Signage required where quantities greater than 100kg are present.<br>Emergency Plan required where quantities greater than 100kg are present.                                |
| <b>Handling practices</b>            | Avoid contact with skin. Keep containers adequately sealed during material transfer, transport, or when not in use.  |
| <b>Approved handlers</b>             | Not required   |
| <b>Conditions for safe storage</b>   | Store in original container in a cool, dry, ventilated place away from direct heat or direct sunlight. Keep container sealed when not in use. Keep out of reach of children. |
| <b>Store site requirements</b>       | Store below 30°C. Protect from humidity and light. Do not refrigerate.   |
| <b>Packaging</b>                     | Schedule 4   |

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### Section 8: Exposure Control/Personal Protection

|   |   |
|---|---|
| <b>Workplace exposure standards</b>             | No WESs are set for this product.                                   |
| <b>Application in the workplace</b>             | Ensure adequate ventilation. Keep container sealed when not in use. |
| <b>Exposure standards outside the workplace</b> | TEL – not applicable  |
| <b>Personal protection</b>                      | Wear chemical resistant gloves, facemask or goggles.                |

### Section 9: Physical and Chemical Properties

|                               |                                     |
|-------------------------------|-------------------------------------|
| Appearance                    | Light to dark brown chewable tablet |
| Boiling Point                 | Not determined                      |
| Melting/Softening point       | Not determined                      |
| Vapour Pressure               | Not determined                      |
| Specific Gravity              | Not determined                      |
| Solubility (H <sub>2</sub> O) | Not determined                      |
| Percent Volatiles             | Not determined                      |
| Flash Point                   | Not determined                      |
| Evaporation Rate              | Not determined                      |

### Section 10: Stability and Reactivity

|   |  |
|---|--|
| <b>Stability of the substance</b>       | Stable under normal conditions. No hazardous reactions known.                              |
| <b>Conditions to avoid</b>              | Keep away from heat, sparks, open flame and direct sunlight.                               |
| <b>Material to avoid</b>                | Avoid food products. Strong acids and bases. Strong oxidizers.                             |
| <b>Hazardous decomposition products</b> | No dangerous decomposition is expected if used according to manufacturer's specifications. |

### Section 11: Toxicological Information

#### Acute effects for individual ingredients only

|        |   |
|--------|---|
| ORAL   | Fluralaner: LD50 >2000mg/kg (rat);<br>Sodium lauryl sulphate: LD50 1288mg/kg (rat)            |
| DERMAL | Fluralaner: LD50 >2000mg/kg (rat);<br>Sodium lauryl sulphate: LD50 580mg/kg (rabbit) (IUCLID) |
| TEL    | No TEL is set for this substance at this time.  |

Disodium Pamoate: Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering. Inflammation of the eye is characterized by redness, watering, and itching.

#### Chronic/long term effects for individual ingredients only

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### Section 12: Environmental Information

#### Effects for individual ingredients only

|                           |  |
|---------------------------|--|
| AQUATIC                   | Fluralaner:<br>96-hr LC50 (Common carp): 2 mg/L<br>48-hr EC50 (Daphnia magna): 0.0001 - 0.01 mg/L<br>72-hr EC50 (P. subcapitata): >10 mg/L |
| TERRESTRIAL INVERTEBRATES | No data  |
| EEL                       | Not applicable   |

### Section 13: Disposal Considerations

|                             |   |
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| <b>Disposal information</b> | <b>Disposal of Product and Container</b><br>Dispose of this product by wrapping with paper and disposing in a suitable landfill.<br>Avoid contamination of any water source or the environment with product or empty container. |
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### Section 14: Transport Information

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| <b>Relevant information</b> | UN3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.<br>(Isoxazoline derivative – Fluralaner)<br>Class 9 PGIII<br>Limited quantities/Consumer commodity: 5kg<br>Maximum quantity for own agricultural use: 250kg |
| <b>Other requirements</b>   | Refer to Haznote.   |

### Section 15: Regulatory Information

|                               |  |
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| <b>Regulatory status</b>      | ACVM Registration No: A11019<br>For conditions of registration see <a href="http://www.foodsafety.govt.nz">www.foodsafety.govt.nz</a><br><br>HSNO Approval Code: HSR100757.<br>For a full listing of controls see <a href="http://www.epa.govt.nz">www.epa.govt.nz</a> |
| <b>HSNO and ACVM controls</b> | <b>Emergency Plan:</b> 100kg<br><b>Signage:</b> 100kg  |

### Section 16: Other Information

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| <b>Additional information</b> | Bravecto is a registered trademark. |
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