


Blaze

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Section 1: Identification of the Substance and Supplier

Product name	Blaze
Recommended use	Fly & Lice Pour-On for cattle
Company details	Schering-Plough Animal Health Ltd 33 Whakatiki Street, Upper Hutt 5018, New Zealand Phone: 0800 800 543 Fax: 0800 808 100 Website: www.coopersonline.co.nz Hours: 8 am – 5 pm, Mon – Fri
Emergency telephone	0800 764 766 (0800 POISON) 24 hours human health 0800 243 622 (0800 CHEMCALL) 24 hours
Date of preparation	April 2019

Section 2: Hazards Identification

Hazard classifications	6.3B: Skin irritant 6.4A: Eye irritant 6.5B: Contact sensitiser 6.9B: Target organ systemic toxicant 9.1A: Aquatic ecotoxicant 9.2C: Soil ecotoxicant 9.4A: Invertebrate ecotoxicant
GHS Pictogram:	
Signal word	Warning
Hazard statement	H316: Causes mild skin irritation. H317: May cause an allergic skin reaction. H320: Causes eye irritation. H373: May cause damage to nervous system, through prolonged or repeated oral or inhalation exposure. H410: Very toxic to aquatic life with long lasting effects. H423: Harmful to the soil environment. H441: Very toxic to terrestrial invertebrates.
Prevention statement	P102: Keep out of the reach of children. P103: Read label before use. P260: Do not breathe mist. P264: Wash thoroughly after handling. P272: Contaminated work clothing should not be allowed out of the workplace. P273: Avoid release to the environment. P280: Wear protective gloves.
Response statement	P302 + P352: IF ON SKIN: Wash with plenty of soap and water. P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P314: Get medical advice/attention if you feel unwell. P321: See first aid instruction on the label of the product. P333 + P313: If skin irritation or rash occurs: Get medical advice/attention.

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P337 + P313: If eye irritation persists: Get medical advice/attention.
 P362 + P364: Take off contaminated clothing and wash before reuse.
 P391: Collect spillage.

Disposal

P501: Dispose of product, packaging and waste at an approved landfill or other approved facility.

Section 3: Composition/Information on Ingredients

Chemical name	CAS number	Concentration
Deltamethrin	52918-63-5	1.5%
Formaldehyde	50-00-0	0.1-1%
1,2-Benzisothiazoline-3-one (20%w/w) in Aqueous Dipropylene glycol solution	52849-25-5	<1%
Propylene glycol	57-55-6	<10%

Section 4: First Aid Measures**Necessary first aid measures**

SKIN CONTACT While wearing protective gloves, 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 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 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.

INHALATION Remove to fresh air. If any trouble breathing, get immediate medical attention. Administer artificial respiration if breathing has ceased. If irritation or symptoms occur or persist, consult a doctor.

Required instructions

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

Notes for medical personnel

Inhalation: Remove to fresh air & provide oxygen if breathing is difficult.

Skin contact: Symptoms: Tingling and pruritus with blotchy erythema on the face or other exposed areas, exacerbated by sweating or touching. Symptoms usually resolve within 24 hours without specific treatment.
 Treatment: Topical vitamin E (tocopherol acetate) has been shown to reduce skin irritation if applied soon after exposure.

Workplace facilities

Emergency showers and eyewashes may be warranted depending on quantity and type of use.

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Section 5: Fire Fighting Measures

Type of hazard	Not classified as flammable
Fire hazard properties	No information available
Regulatory requirements	No information available
Extinguishing media and methods	Water, carbon dioxide (CO ₂), foam, or dry chemical.
Hazchem code	3Z (Contain spillage)
Recommended protective clothing	Wear full protective clothing and self-contained breathing apparatus (SCBA).

Section 6: Accidental Release Measures

Personal Precautions	Avoid contact with skin, eyes and clothing. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
Environmental Precautions	Prevent spilled material from flowing onto adjacent land or into streams, ponds, or lakes. Avoid release to the environment.
Emergency procedures	Wear chemical resistant gloves and overalls, face mask or goggles. Prevent further spillage. Adsorb spilled product and place in sealable container for disposal. Wash down affected area with water plus detergent. Absorb and collect washings and place in the same sealable container for disposal. Seek advice from the local authority regarding disposal. Avoid contamination of any water source or soil with product or empty container.

Section 7: Handling and Storage

Precautions for safe handling	Avoid contact with skin, eyes, and mucosa. Keep containers adequately sealed during material transfer, transport, or when not in use. See Section 8 (Exposure Controls) for additional guidance.
Regulatory requirements	Signage required where quantities greater than 100L are present. Emergency Plan required where quantities greater than 100L are present.
Handling practices	Avoid contact with skin. Keep containers adequately sealed during material transfer, transport, or when not in use.
Certified handlers	Not required.
Conditions for safe storage	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.
Store site requirements	Store in a cool, dry, well ventilated area, at room temperature (5°C to 25°C).
Packaging	PG III

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Section 8: Exposure Control/Personal Protection

Occupational exposure limits	Formaldehyde: Ceiling 1ppm (1.2 mg/m ³) Propylene glycol: TWA 150ppm 474mg/m ³
Application in the workplace	Ensure adequate ventilation. Keep container sealed when not in use.
Exposure standards outside the workplace	No TEL is set for this substance at this time. No EEL is set for this substance at this time.
Personal protection	Wear chemical resistant gloves, facemask or goggles.
Engineering controls	The health hazard risks of handling this material are dependent on many factors, including physical form, duration and frequency of process or task, and effectiveness of engineering controls. Site-specific risk assessments should be conducted to determine the feasibility and the appropriateness of all exposure control measures. Exposure controls for normal operating or routine procedures follow a tiered strategy. Engineering controls are the preferred means of long-term or permanent exposure control. If engineering controls are not feasible, appropriate use of personal protective equipment (PPE) may be considered as alternative control measures. Exposure controls for non-routine operations must be evaluated and addressed as part of the site-specific risk assessment.

Section 9: Physical and Chemical Properties

Appearance	Yellow uniform aqueous suspension
Odour	No information available
Odour threshold	No information available
pH	No information available
Melting point/freezing point	No information available
Initial boiling point and boiling range	100°C
Flash point	No information available
Flammability (solid, gas)	No information available
Upper/lower flammability or explosive limits	No information available
Vapour pressure	No information available
Vapour density	No information available
Relative density	1.02

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Solubility (ies)	Water: Emulsifiable
Partition coefficient: n-octanol/water	No information available
Auto-ignition temperature	No information available
Decomposition temperature	No information available
Kinematic viscosity	No information available

Section 10: Stability and Reactivity

Stability of the substance	Stable under normal conditions.
Conditions to avoid	Avoid high temperatures.
Material to avoid	Avoid food products.
Hazardous decomposition products	Carbon oxides (COx).

Section 11: Toxicological Information

Effects for individual ingredients only

Acute toxicity	(Oral) Deltamethrin: (Female rat) LD50: 31 mg/kg bw in peanut oil [EPA NZ] Formaldehyde: (Guinea pig) LD50: 260 mg/kg body weight [EPA NZ] (Dermal) Deltamethrin: (Rat) LD50: 700 mg/kg [EPA NZ] Formaldehyde: (Rabbit) LD50: 270 mg/kg [EPA NZ] (Inhalation) Deltamethrin: (Rat) LC50- 2hr: 790 mg/m ³ (= 0.79 mg/l) [EPA NZ] Formaldehyde: (Mouse) LC50- 4 hr: 497 mg/l [EPA NZ]. Formaldehyde may also cause occupational allergic asthma. Other effects of chronic exposure include irritation as seen in acute exposure, sneezing, coughing, headache, or laryngitis.
Aspiration hazard	No information available
Respiratory irritation	No information available
Skin corrosion/irritation	Deltamethrin: Mildly irritating to the skin [EPA NZ] Formaldehyde: (Human) Irritating to the skin [EPA NZ]. Formaldehyde is a potent allergen and may cause contact dermatitis (irritant and allergic) from repeated exposure.
Serious eye damage/irritation	Deltamethrin: Irritating to the eye [EPA NZ] Formaldehyde: (Rabbit) Highly irritating to the eye [EPA NZ]
Respiratory or skin sensitisation	Formaldehyde: (Guinea pig) Contact sensitisers [EPA NZ]
Germ cell mutagenicity	Formaldehyde: Suspected human mutagens [EPA NZ]

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Carcinogenicity	Formaldehyde: Known or presumed human carcinogens [EPA NZ]. Long-term, repeated exposure to formaldehyde has been associated with an increased risk of cancers of the bone marrow, lungs, mouth, nasal passages and sinuses.
Reproductive toxicity	No information available
Specific organ toxicity	Deltamethrin: (Oral): Neurotoxicity (nervous system) (Inhalation): Studies of repeated administration by inhalation, orally, and dermally to mice, rats, rabbits, guinea-pigs, and dogs showed that deltamethrin induces mainly agitation, hypersensitivity, impaired locomotor activity, and reduced body-weight gain. [EPA NZ] Formaldehyde: (Oral) Weight loss/metabolic [EPA NZ]
Narcotic effects	No information available

Section 12: Ecological Information

Effects for individual ingredients only

Aquatic	Deltamethrin: (Fish): Acute: (Oncorhynchus mykiss Rainbow trout, donaldson trout) LC50- 96 hr: 0.25 ppb (= 0.00025 mg/l) Chronic: Fathead minnow (Pimephales promelas) NOEC- 280 day: 0.017 ppb (= 0.000017 mg/l) (Crustacean) Acute: (Mysid) LC50- 96 hr: 0.0017 ppb (= 0.0000017 mg/l) Chronic: Water flea (Daphnia magna) NOEL-21 day: 0.0041 ppb (= 0.0000041 mg/l) [EPA NZ] Formaldehyde: (Fish) Channel catfish Morone saxatilis LC50- 4 day (96 hr): 4.960 mg/L (Crustacean) Daphnia EC50- 24 hr: 40 mg/L (35% solution) [EPA NZ]
Terrestrial	Deltamethrin: (Female rat) LD50: 31 mg/kg bw in peanut oil [EPA NZ] (House fly) LD50-24 hr: 0.0125 ug/g org [EPA NZ] Formaldehyde: (Guinea pig) LD50: 260 mg/kg body weight [EPA NZ]
Soil	Deltamethrin: (Earthworms) LC50: 28.57 mg/kg soil [EPA NZ] Formaldehyde: Ecotoxic in the soil environment [EPA NZ]
Persistence and degradability	Deltamethrin: Rapidly Degradable: No Formaldehyde: Rapidly Degradable: Yes
Bioaccumulative	Deltamethrin: Yes Formaldehyde: No
Mobility in soil	Deltamethrin: Soil DT 50 > 30 days: yes Formaldehyde: Soil DT 50 > 30 days: no
Other adverse effects	No information available


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Section 13: Disposal Considerations

Disposal information	<p>Disposal Dispose of unused product through AgRecovery Chemicals. Avoid contamination of any water source or the environment with product or empty container.</p> <p>Container Disposal Triple rinse empty container, puncture and recycle through AgRecovery. Do NOT burn.</p>
Reference	Current version of NZS 8409 Management of Agrichemicals.

Section 14: Transport Information

UN Number	3082
UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Deltamethrin)
UN dangerous goods class and subsidiary risk	9
UN Packaging Group	PG III
Environmental hazards	Marine pollutant
Special precautions when transporting the substance	

Section 15: Regulatory Information

Regulatory status	<p>HSNO Approval Code: HSR002226 For full listings of controls see www.epa.govt.nz</p> <p>ACVM registration number: A008214 For conditions of registration see www.foodsafety.govt.nz</p>
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Section 16: Other Information

Additional information	Blaze is a registered trademark
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