



SAFETY DATA SHEET

Product Name: ALPHA² Pour-On for Cattle

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Reviewed on: 21 September 2007

SECTION 1: IDENTIFICATION OF THE SUBSTANCE AND SUPPLIER

Product name: ALPHA² Pour-On for Cattle
Product code: A9641
Recommended use: For the effective treatment and control of the following species of gastrointestinal worms, lungworm and lice in cattle.
Company details: Merial Ancare
Address: Level 3, Merial Building
Osterley Way
Manukau City
New Zealand
Telephone number: Phone: +64 9 980 1600 Fax: +64 9 980 1601
Emergency telephone number: Merial Ancare Freephone: 0800 800 822
National Poisons Centre: 0800 764 766 (0800 POISON)
Fire Service, Ambulance: Dial 111
Date of preparation: 20 September 2007

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization: Clear liquid containing abamectin and levamisole

Product components:

<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
Abamectin	71751-41-2	10g/L
Levamisole	14769-73-4	200g/L
1-methyl-2-pyrrolidione	872-50-4	530g/L

SECTION 3: HAZARDS IDENTIFICATION

Hazard classifications: 3.1D, 6.1D, 6.4A, 6.5B, 6.6B, 6.8B, 6.8C, 6.9A, 9.1A, 9.2C, 9.3B, 9.4A

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

Risk and safety phrases: Combustible liquid. Do not store near heat or open flame.
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.
Harmful – may cause eye irritation. Avoid contact with eyes.
Warning – Repeated exposure may cause skin allergy. Avoid skin contact.
Harmful – suspected of causing heritable mutations/genetic defects
Harmful – may cause reproductive / development damage from repeated oral exposure. Keep out of reach of children. Do not handle until all safety precautions have been read and understood.
May cause reproductive/development damage from repeated oral exposure.
Toxic – May cause organ damage from repeated oral exposure at high doses
Ecotoxic – Very toxic to aquatic organisms. Avoid contamination of any water supply with product or empty container.

Harmful to the soil environment. Apply only as directed.
Toxic to terrestrial vertebrates.
Very toxic to terrestrial invertebrates. Apply only as directed

SECTION 4: FIRST AID MEASURES

Necessary first aid measures:	For advice contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor immediately. <u>Eye Contact:</u> If splashed in eyes wash out immediately in water <u>Skin Contact:</u> If skin or hair contact occurs remove contaminated clothing and flush skin and hair with running water. <u>Inhalation:</u> Remove to fresh air. <u>Ingestion:</u> If swallowed seek medical attention. Do NOT induce vomiting.
Workplace facilities:	No special facilities required
Required instructions:	Observe good work practices and avoid skin and eye contact. Wash hands and exposed skin before meals and after use. Do not eat or drink while using. Launder protective clothing separately from other clothing and before each reuse.
Notes for medical personnel:	Apply symptomatic therapy (no specific antidote). Note the nature of the product.

SECTION 5: FIRE FIGHTING MEASURES

Type of hazard:	Combustible liquid
Fire hazard properties:	During a fire toxic fumes may be released.
Regulatory requirements:	N/A
Extinguishing media and methods:	Extinguish fires with foam, dry chemical or carbon dioxide. Cool sealed drums with water to prevent rupture due to thermal expansion. Contain run-off. Keep non-involved persons away.
Hazchem code:	2X
Recommended protective clothing:	Wear PVC protective clothing and breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Emergency procedures:	Wear overalls, chemical resistant gloves, boots and safety goggles. Prevent further spillage. Sweep up solids without generating dust. 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.
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SECTION 7: HANDLING AND STORAGE

Precautions for safe handling:	Handle with care.
Regulatory requirements:	N/A
Handling practices:	N/A
Approved handlers:	Not required.
Conditions for safe storage:	Store below 25°C. Protect from light. Keep out of reach of children.
Store site requirements:	Stores containing equal to or more than 100L of ALPHA ² Pour-On for Cattle require bunding and are subject to signage. See the Hazardous Substances Emergency Management Regulations 35-41, Identification Regulations 34 & 35 and NZS 8409 for further information.

Packaging: Packing group III

SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

Workplace exposure standards: 1-methyl-2-pyrrolidione, TWA 25 ppm, 103 mg/m³
STEL 75 ppm, 309 mg/ m³

Application in the workplace: Prevent exposure by using engineering controls, personal protective equipment and work practices that prevent skin and eye contact.

Exposure standards outside the workplace: TELs and EELs are not set at this time

Engineering controls: Use only in well ventilated areas

Personal protection: Clothing should consist of overalls with long sleeves, and impervious gloves. Wear eye protection (eg. Glasses, goggles or face shield).

References: N/A

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Specify product data: Appearance: Clear solution
Solubility in water: Abamectin is insoluble in water
Specific gravity: ~1.05g/ml

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 and storage.

Conditions to avoid: Avoid storage at high temperatures
Avoid contact with ignition sources

Material to avoid: Explosives, flammable substances and oxidizing agents.

Hazardous decomposition products: No hazardous decomposition products are expected, except when heated to decomposition.

Hazardous polymerization: Will not occur

Specific data: N/A

SECTION 11: TOXICOLOGICAL INFORMATION

Data and interpretation: N/A

Summaries data: N/A

Effects of Acute Exposure: Eye Contact: May cause eye irritation.
Skin Contact: May cause skin irritation. Repeated exposure may cause skin allergy.
Inhalation: May be harmful if inhaled.
Ingestion: Danger of serious damage to health by any prolonged exposure if swallowed. May cause damage to genetic material and or development and reproduction. May affect blood and haematopoietic system.
Other Health Effects: Overexposure may aggravate existing medical conditions.

Effects of Chronic: No further available data

Exposure:**SECTION 12: ENVIRONMENTAL INFORMATION**

Potential environmental interactions:	Very toxic to aquatic organisms.
Data organisation :	N/A
Environmental risk and safety phrases:	Environmentally hazardous substance, Liquid, N.O.S. (abamectin) Marine pollutant

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal information :	<p><u>Product Disposal:</u> To avoid disposal all attempts should be made to utilise the product completely in accordance with its registered use. Prevent the product from entering natural water sources.</p> <p><u>Container Disposal:</u> Burn empty container in an appropriate incinerator, if circumstances such as wind direction permit. Otherwise crush or puncture and bury in a suitable landfill. Do NOT use container for any other use.</p>
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SECTION 14: TRANSPORT INFORMATION

Relevant information:	Maximum Transport Quantity: 250 L DG class 9 UN 3082 Tracking not required
Other requirements:	N/A

SECTION 15: REGULATORY INFORMATION

Regulatory status:	Registered pursuant to the ACVM Act 1997, No. A9641. See www.nzfsa.govt.nz/acvm for registration conditions.
	Approved pursuant to the HSNO Act 1996, Approval Code HSR002284. See www.ermanz.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 Merial website www.merial.co.nz While the information set forth is believed to be accurate as of the date hereof, MERIAL NZ LTD. makes no warranty with respect hereto and disclaims all liability from reliance thereon.
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