

ISSUED: 04 September 2014

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**SAFETY DATA SHEET**

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**Section 1: SUBSTANCE IDENTIFICATION AND SUPPLIER**

**Product Name:** Q-DRENCH Multi-Combination Drench for Sheep

**Product Code:** 503165 (1L), 502935 (5L), 502930 (10L), 503200 (11L)

**Recommended Use:** Oral antiparasiticide for sheep

**Company Identification:** Jurox New Zealand Limited

**Address:** 8 Kordel Place, East Tamaki, Auckland 2013

**Customer Centre:** 0800 587 696 (Monday – Friday, 9am – 5pm)

**National Poisons Information Centre:** 0800 POISON (0800 764 766)

**Incident Advisory Telephone Number:** 0800 CHEMCALL (0800 243 622) (24hr)

**Emergency Services Telephone Number:** 111 - tell operator what service is needed: Fire, Ambulance, Police

**Section 2: HAZARD IDENTIFICATION**

**Statement of Hazardous Nature:** Considered a Hazardous Substance according to the criteria of the New Zealand Hazardous Substances and New Organisms legislation

Considered a Dangerous Good for transport in New Zealand according to criteria of the New Zealand Land Transport Rule for Dangerous Goods, 2005

**Hazard Classifications:** 6.1D (acute oral toxicant), 6.3B (skin irritant), 6.4A (eye irritant), 6.5B (skin sensitiser), 6.6B (suspected mutagen), 6.8A (reproductive/developmental toxicant), 6.8C (reproductive/developmental toxicant via lactation), 6.9B (target organ/systemic toxicant), 9.1A (very ecotoxic to the aquatic environment), 9.2C (harmful in the soil environment), 9.3C (harmful to terrestrial vertebrates), 9.4A (very ecotoxic to terrestrial invertebrates)

**Signal Word:** WARNING

**Hazard Statements:** Harmful if swallowed  
Causes mild skin irritation  
Causes eye irritation  
May cause an allergic skin reaction  
Suspected of causing genetic defects  
May damage fertility or the unborn child  
May cause harm to breast-fed children  
May cause damage to organs through prolonged or repeated exposure  
Very toxic to aquatic life and terrestrial invertebrates  
Harmful to the soil environment and terrestrial vertebrates

**Precautionary Statements:** Prevention  
Keep out of reach of children  
Read label before use  
Do not handle until all safety precautions have been read and understood  
Obtain special instructions before use  
Wash hands thoroughly after handling  
Do not eat, drink or smoke when using this product  
Wear protective gloves and eye/face protection  
Use personal protective equipment as required  
Avoid breathing vapours  
Contaminated work clothing should not be allowed out of the workplace  
Avoid contact during pregnancy/while nursing  
Avoid release to the environment

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**Precautionary Statements:**
**Response**

If exposed or concerned, get medical advice/attention

If medical advice is needed, have product container or label at hand

If swallowed, call a POISON CENTRE or doctor/physician if you feel unwell

Rinse mouth

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 advice/attention.

If on skin, wash with plenty of soap and water

If skin irritation or rash occurs, get medical advice/attention

Wash contaminated clothing before re-use

Collect spillage

**Section 3: COMPOSITION INFORMATION**

INGREDIENT	CAS No.	CONTENT
Abamectin	71751-41-2	0.1%
Albendazole	54965-21-1	2.5%
Closantel	57808-65-8	3.75%
Levamisole Hydrochloride	16595-80-5	4.0%
Benzyl alcohol	100-51-6	1 – 10%
Ingredients not contributing to the hazard		to 100%

**Section 4: FIRST AID MEASURES**
**First Aid Measures:**

If exposed or concerned, get medical advice/attention. Consult the National Poisons Centre on 0800 POISON (0800 764 766) or a doctor immediately in every case of suspected poisoning or if you feel unwell. If medical advice is needed, have product container or label at hand.

**Inhalation:**

Remove patient to fresh air. Lay patient down and keep warm and rested. If breathing is shallow or has stopped, ensure airway is clear and apply resuscitation. Seek medical assistance immediately.

**Ingestion:**

If swallowed, DO NOT induce vomiting. Rinse mouth. For advice, contact the National Poisons Centre on 0800 POISON (0800 764 766). Seek medical assistance immediately.

**Skin:**

If on skin, remove contaminated clothing and wash affected area thoroughly with plenty of soap and water. If skin irritation or rash occurs, get medical advice/attention. Wash contaminated clothing before re-use.

**Eye:**

If in eyes, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids. Continue rinsing. If eye irritation persists, get medical advice/attention.

**Advice to Doctor:**

No specific antidote. Treat symptomatically. If vomiting is induced, suggest endotracheal and/or oesophageal control. Danger from lung aspiration must be weighed against toxicity when considering emptying the stomach. Only induce vomiting if conscious. NOTE: wear a protective glove when inducing vomiting by mechanical means.

**Section 5: FIRE FIGHTING MEASURES**
**Flash Point:**

Not flammable

**Hazardous Combustion Products:**

If involved in a fire may evolve poisonous and/or corrosive fumes.

Expansion on heating may lead to violent rupture of containers.

Non-combustible, not considered to be a significant fire risk.

**Extinguishing Media:**

Alcohol resistant foam is the preferred medium. If not available use Normal Protein Foam.

**Protective Equipment:**

Breathing apparatus and fire kit.

**HAZCHEM Code:**

3Z

## Section 6: ACCIDENTAL RELEASE MEASURES

<b>Spills and Disposal:</b>	Wear appropriate protective clothing. Exclude non-essential people from the area. Contain spill and absorb with inert material such as soil, sand or absorbent granules and place in a sealable waste container. Dispose of waste safely in an approved landfill.
<b>Protective Clothing:</b>	For appropriate personal protective equipment see section 8.
<b>Environmental Precautions:</b>	Prevent from entering drains, waterways or sewers. If spill does enter waterways contact local authority.

## Section 7: HANDLING AND STORAGE

<b>Handling:</b>	Keep out of reach of children. Avoid contact with skin, eyes and inhalation of vapours. Use personal protective equipment as required.
<b>Storage:</b>	Store in original container tightly closed and in a locked, dry, cool area away from foodstuffs.
<b>Other Information:</b>	Always read the label before use. See label for further information on handling and storage.

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Exposure Limits:</b>	No exposure limits have been assigned for this product. Avoid breathing vapours. Do not handle until all safety precautions have been read and understood. Avoid contact during pregnancy/while nursing.
<b>Protective Equipment:</b>	When using the product, wear protective gloves, clothing and eyewear.
<b>Engineering Controls:</b>	Handle in a well ventilated area.
<b>Hygiene Precautions:</b>	Do not eat, drink or smoke while using this product. Remove protective clothing and wash hands and face thoroughly before meals and after handling. Wash protective clothing daily after work. Contaminated clothing should not be allowed out of the workplace.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Off-white suspension
<b>Specific Gravity:</b>	Approx. 1.01 – 1.03
<b>Solubility in Water:</b>	Aqueous suspension
<b>Flash Point:</b>	Not applicable
<b>pH:</b>	5.0 – 5.5

## Section 10: STABILITY AND REACTIVITY

<b>Stability:</b>	When stored appropriately this product should show no significant degradation within the expiry period shown on the label.
<b>Hazardous Polymerisation:</b>	Hazardous polymerisation will not occur
<b>Materials to Avoid:</b>	Not applicable

## Section 11: TOXICOLOGICAL INFORMATION

<b>EPA Classifications:</b>	6.1D, 6.3B, 6.4A, 6.5B, 6.6B, 6.8A, 6.8C, 6.9B
<b>Inhalation:</b>	Inhalation of vapours or aerosols (mists, fumes), generated by the material during the course of normal handling, may be harmful.
<b>Ingestion:</b>	Levamisole Hydrochloride: Oral LD <sub>50</sub> : 480 mg/kg (rat), 210 mg/kg (mouse) Albendazole: Oral LD <sub>50</sub> : 2400 mg/kg (rat) Abamectin: Oral LD <sub>50</sub> : 11 mg/kg (rat), 14 mg/kg (mouse) Closantel: Oral LD <sub>50</sub> : 262 mg/kg (rat), 40 mg/kg (sheep) Harmful if swallowed
<b>Skin:</b>	The liquid may be miscible with fats or oils and may degrease the skin, producing a skin reaction described as non-allergic contact dermatitis. May cause skin irritation on prolonged contact. Is a contact sensitiser.
<b>Eye:</b>	Causes eye irritation.
<b>Chronic Effects:</b>	There is limited evidence that skin contact with this product is more likely to cause a sensitisation reaction in some persons compared to the general population. Sensitisation may result in allergic dermatitis responses including rash, itching, hives or swelling of extremities.
<b>Reproductive Toxicity:</b>	There is some evidence from animal testing that exposure to abamectin, albendazole or closantel may result in toxic effects to the foetus, and exposure to abamectin may be harmful to development of breast-fed children.
<b>Mutagenicity:</b>	There is some evidence from animal testing that exposure to one component of this product for prolonged periods may cause physical defects in the developing embryo (teratogenesis).
<b>Carcinogenicity:</b>	Not considered to be carcinogenic, based on the results of animal studies.

## Section 12: ECOLOGICAL INFORMATION

<b>EPA Classifications:</b>	9.1A, 9.2C, 9.3C, 9.4A
<b>Ecotoxicity:</b>	Very toxic to aquatic organisms and terrestrial invertebrates Harmful to soil environment and terrestrial vertebrates
<b>Abamectin:</b>	Acute oral LD <sub>50</sub> : 84.6 mg/kg (mallard ducks), >2000 mg/kg (bobwhite quail) Fish LC <sub>50</sub> (96 h): 3.2 µg/L (rainbow trout), 9.6 µg/L (bluegill sunfish), 24 µg/L (channel catfish), 42 µg/L (carp) Daphnia EC <sub>50</sub> (48 h) 0.34 ppb Other LC <sub>50</sub> (96 h) 1.6 ppb (pink shrimp), 0.022 ppb (mysid shrimp), 153 ppb (blue crab)

Ingredient	Persistence: Water/Soil	Persistence: Air	Bioaccumulation	Mobility
Levamisole hydrochloride	HIGH	No data available	LOW	MEDIUM
Closantel	HIGH	No data available	LOW	LOW
Albendazole	HIGH	No data available	LOW	MEDIUM
Abamectin	No data available	No data available	No data available	No data available
Benzyl alcohol	LOW	No data available	LOW	HIGH

## Section 13: DISPOSAL INFORMATION

<b>Product Disposal:</b>	Dispose of product only by using according to label or at an approved landfill.
<b>Container Disposal:</b>	Crush or puncture and bury in an approved landfill if an approved recycling system is not available.

**Section 14: TRANSPORT INFORMATION**

<b>RAIL/ROAD:</b>	<b>UN Number:</b>	3082
	<b>Proper Shipping Name:</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Contains ABAMECTIN and ALBENDAZOLE)
	<b>DG Class:</b>	9
	<b>Packing Group:</b>	III
<b>SEA (IMDG Code):</b>	<b>Marine Pollutant:</b>	No
	<b>UN Number:</b>	3082
	<b>Proper Shipping Name:</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Contains ABAMECTIN and ALBENDAZOLE)
	<b>DG Class:</b>	9
<b>AIR: (ICAO/IATA)</b>	<b>Packing Group:</b>	III
	<b>Marine Pollutant:</b>	No
	<b>UN Number:</b>	3082
	<b>Proper Shipping Name:</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Contains ABAMECTIN and ALBENDAZOLE)
	<b>DG Class:</b>	9
	<b>Packing Group:</b>	III
	<b>Marine Pollutant:</b>	No

**Section 15: REGULATORY INFORMATION**

<b>ACVM:</b>	Registered pursuant to the ACVM Act 1997, ACVM No. A9291 See <a href="http://www.foodsafety.govt.nz">www.foodsafety.govt.nz</a> for registration conditions.
<b>EPA:</b>	Approved pursuant to the HSNO Act 1996, Approval number: HSR000062 See <a href="http://www.epa.govt.nz">www.epa.govt.nz</a> for approval controls.

**Section 16: OTHER INFORMATION**

This information is based on data believed by Jurox New Zealand Limited to be accurate at the time of writing but is subject to change without notice. It is given in good faith, but no warranty expressed or implied is made as to its accuracy, completeness otherwise and no assumption of liability from howsoever arising is made by Jurox New Zealand Limited by reason of the provision of this information. Every person dealing with the materials referred to herein does so at his/her own risk absolutely and must make independent determinations of suitability and completeness of information from all sources to ensure their proper use.

**Legend**

**ACVM:** Agricultural Compounds and Veterinary Medicines Group of the New Zealand Ministry for Primary Industries.

**ACVM Act 1997:** Agricultural Compounds and Veterinary Medicines Act 1997.

**CAS No.:** a unique number assigned to a chemical by the Chemical Abstracts Service.

**DG:** Dangerous goods.

**EC<sub>50</sub>:** the half maximal effective concentration, being a statistically derived concentration of a substance that induces a response halfway between the baseline and maximum after a specified exposure time.

**EPA:** Environmental Protection Authority of New Zealand.

**HSNO Act 1996:** Hazardous Substances and New Organisms (HSNO) Act 1996.

**IATA:** International Air Transport Association.

**ICAO:** International Civil Aviation Organization.

**IMDG Code:** International Maritime Dangerous Goods Code.

**LC<sub>50</sub>:** the median lethal concentration, being a statistically derived concentration of a substance that can be expected to cause death in 50% of organisms.

**LD<sub>50</sub>:** the median lethal dose, being a statistically derived single dose of a substance that can be expected to cause death in 50% of animals.

**N.O.S.:** Not Otherwise Specified.

**SDS:** Safety Data Sheet.

**UN Number:** Number identifying a hazardous substance, assigned by the United Nations Committee of Experts on the Transport of Dangerous Goods.

**Version**

This SDS supersedes the version created on 21 January 2011.

**END OF SDS**

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