



# SAFETY DATA SHEET

|                 |                         |                             |                          |
|-----------------|-------------------------|-----------------------------|--------------------------|
| Title: Q-DRENCH |                         | Document: SDS-NZ033         |                          |
|                 |                         | Rev: 3.0                    | PAGE 1 OF 11             |
| Status: Current | Issue Date: 14-Aug-2020 | Effective Date: 14-Aug-2020 | Review Date: 14-Aug-2025 |

## Section 1: IDENTIFICATION of CHEMICAL PRODUCT and COMPANY

|   |   |
|---|---|
| <b>Product Name:</b>                        | <b>Q-Drench Multi-Combination Drench for Sheep</b>  |
| <b>Product Identifier:</b>                  | 40 g/L levamisole hydrochloride, 37.5 g/L closantel, 25 g/L albendazole and 1 g/L abamectin aqueous suspension. |
| <b>Product Code:</b>                        | 503165 (1 L); 502930 (10 L).  |
| <b>Recommended Use:</b>                     | Oral parasiticide for sheep.  |
| <b>Restrictions on Use:</b>                 | For animal treatment only.  |
| <b>Company Identification:</b>              | Jurox New Zealand Limited   |
| <b>Address:</b>                             | 8 Kordel Place,<br>East Tamaki, Auckland 2013,<br>New Zealand   |
| <b>Email:</b>                               | customerservice@jurox.co.nz   |
| <b>Customer Centre:</b>                     | 0800 587 696 (9am – 5pm, Monday to Friday)  |
| <b>National Poisons Information Centre:</b> | 0800 POISON (0800 764 766) (24 hr)  |
| <b>Emergency Telephone Number:</b>          | 0800 CHEMCALL (0800 243 622) (24 hr)  |

## Section 2: HAZARDS IDENTIFICATION

**Hazard Classifications:** This product has been assessed according to GHS and is classified as follows:

| GHS Category  | Hazard code | Hazard Statement  |
|---|-------------|---|
| Acute Toxicity (Oral) Category 4                            | H302        | Harmful if swallowed  |
| Eye Irritation Category 2                                   | H319        | Causes serious eye irritation                                     |
| Skin Sensitisation Category 1                               | H317        | May cause an allergic skin reaction                               |
| Germ Cell Mutagenicity Category 2                           | H341        | Suspected of causing genetic defects                              |
| Reproductive Toxicity Category 1                            | H360        | May damage fertility or the unborn child                          |
| Reproductive toxicity: Effects on or via Lactation          | H362        | May cause harm to breast-fed children                             |
| Specific Target Organ Toxicity - Repeat Exposure Category 2 | H373        | May cause damage to organs through prolonged or repeated exposure |
| Acute Aquatic Hazard Category 1                             | H400        | Very toxic to aquatic life  |
| Chronic Aquatic Hazard: Category 1                          | H410        | Very toxic to aquatic life with long lasting effects              |

**Signal word: DANGER**

**GHS Pictograms:**



Exclamation  
Mark



Health  
hazard



Aquatic  
hazard



# SAFETY DATA SHEET

|                 |                         |                             |                          |
|-----------------|-------------------------|-----------------------------|--------------------------|
| Title: Q-DRENCH |                         | Document: SDS-NZ033         |                          |
|                 |                         | Rev: 3.0                    | PAGE 2 OF 11             |
| Status: Current | Issue Date: 14-Aug-2020 | Effective Date: 14-Aug-2020 | Review Date: 14-Aug-2025 |

## Precautionary statements:

### Prevention

|      |   |
|------|---|
| P101 | If medical advice is needed, have product container or label at hand.     |
| P102 | Keep out of reach of children.  |
| P202 | Do not handle until all safety precautions have been read and understood. |
| P260 | Do not breathe vapours.   |
| P263 | Avoid contact during pregnancy and while nursing.                         |
| P264 | Wash hands thoroughly after handling.                                     |
| P270 | Do not eat, drink or smoke when using this product.                       |
| P272 | Contaminated work clothing should not be allowed out of the workplace.    |
| P280 | Wear protective gloves, eye protection and protective clothing.           |
| P273 | Avoid release to the environment.   |

### Response

|                |  |
|----------------|--|
| P301+P312      | IF SWALLOWED: Call a POISON CENTRE or doctor if you feel unwell.   |
| P330           | Rinse mouth  |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P337+P313      | If eye irritation persists: Get medical advice/attention.  |
| P302+P352      | IF ON SKIN: Wash with plenty of water.   |
| P333+P313      | If skin irritation or rash occurs: Get medical advice/attention.   |
| P362+P364      | Take off contaminated clothing and wash it before reuse.   |
| P308+P313      | IF exposed or concerned: Get medical advice/attention.   |
| P314           | Get medical advice/attention if you feel unwell.   |
| P391           | Collect spillage.  |

### Storage

|      |                  |
|------|------------------|
| P405 | Store locked up. |
|------|------------------|

### Disposal

|      |   |
|------|---|
| P501 | If appropriate, recycle empty container. Otherwise, crush or puncture, and bury in a suitable landfill. |
|------|---|

**Other hazards:** None known.

## Section 3: COMPOSITION / INFORMATION on INGREDIENTS

| INGREDIENT                                  | CAS No.    | CONTENT |
|---|------------|---------|
| Levamisole hydrochloride                    | 16595-80-5 | 4 %     |
| Closantel                                   | 57808-65-8 | 3.75 %  |
| Albendazole                                 | 54965-21-8 | 2.5 %   |
| Abamectin                                   | 71751-41-2 | 0.1 %   |
| Ingredients not contributing to the hazards | -          | ~ 90 %  |



# SAFETY DATA SHEET

|                 |                         |                             |                          |              |
|-----------------|-------------------------|-----------------------------|--------------------------|--------------|
| Title: Q-DRENCH |                         |                             | Document: SDS-NZ033      |              |
|                 |                         |                             | Rev: 3.0                 | PAGE 3 OF 11 |
| Status: Current | Issue Date: 14-Aug-2020 | Effective Date: 14-Aug-2020 | Review Date: 14-Aug-2025 |              |

## Section 4: FIRST AID MEASURES

**General Information:** Consult the National Poisons Centre on 0800 POISON (0800 764 766) or a doctor immediately in every case of suspected chemical poisoning. Never give fluids or induce vomiting if a patient is unconscious or convulsing regardless of cause of injury. If medical advice/attention is needed, have this SDS, product container or label at hand.

**Symptoms and Effects of Exposure:** Symptoms of exposure to levamisole include high fever, swollen glands, painful sores on the mouth or anus, and lingering infections, including sore throat, mouth sores, skin infections, abscesses, thrush, or pneumonia. Symptoms of closantel intoxication include loss of appetite, ataxia (uncoordinated movements), weakness, visual disturbance and blindness. Common side effects of exposure to albendazole include nausea, abdominal pains and headaches. Clinical symptoms of severe abamectin intoxication include mydriasis, sedation, emesis, tremors, convulsions, coma and death.

**Inhalation:** If fumes, aerosols or combustion products are inhaled, remove patient from contaminated area. Other measures are usually not necessary. If respiratory symptoms occur, 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. If breathing is difficult, give oxygen and seek medical assistance immediately.

**Ingestion:** IF SWALLOWED, REFER FOR MEDICAL ATTENTION, WHERE POSSIBLE, WITHOUT DELAY. For advice, contact a doctor or the National Poisons Centre on 0800 POISON (0800 764 766). Urgent hospital treatment is likely to be needed. In the meantime, qualified first-aid personnel should treat the patient following observation and employing supportive measures as indicated by the patient's condition. If the services of a medical officer or medical doctor are readily available, the patient should be placed in his/her care and a copy of the SDS should be provided. If medical attention is not available on the worksite or surroundings send the patient to hospital together with a copy of the SDS. Where medical attention is not immediately available or where the patient is more than 15 minutes from a hospital or unless instructed otherwise: INDUCE vomiting with fingers down the back of the throat, ONLY IF CONSCIOUS. Lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration. Wear a protective glove when inducing vomiting by mechanical means.

**Skin:** If skin contact occurs: Immediately remove all contaminated clothing, including footwear. Flush skin and hair with running water (and soap if available). Seek medical attention in event of irritation or rash.

**Eye:** If eye contact occurs: Immediately flush the eye continuously with running water. 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 flushing for at least 20 minutes. If eye irritation persists, get medical advice/attention. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.

**Recommended First Aid Facilities:** Ready access to running water and soap is required. Accessible eyewash is required.

**Advice to Doctor:** No specific antidote. Treat symptomatically.



# SAFETY DATA SHEET

|                 |                         |                             |                          |              |
|-----------------|-------------------------|-----------------------------|--------------------------|--------------|
| Title: Q-DRENCH |                         |                             | Document: SDS-NZ033      |              |
|                 |                         |                             | Rev: 3.0                 | PAGE 4 OF 11 |
| Status: Current | Issue Date: 14-Aug-2020 | Effective Date: 14-Aug-2020 | Review Date: 14-Aug-2025 |              |

## Section 5: FIRE FIGHTING MEASURES

**Flash Point:** No data.

**Hazardous Combustion Products:** If involved in a fire, may emit toxic fumes.

**Extinguishing Media:** There is no restriction on the type of extinguisher which may be used. Use extinguishing media suitable for surrounding area.

**Protective Equipment:** Protective gloves and breathing apparatus.

**HAZCHEM Code:** 3Z

## Section 6: ACCIDENTAL RELEASE MEASURES

**Spills and Disposal:** Wear gloves and appropriate protective clothing, footwear and eye protection. For small spills, 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. Ventilate area and wash spill site after pick-up is complete. Dispose of waste safely in an approved landfill. For large spills, exclude non-essential people from the area. Prevent spillage from entering drains or water courses. Contain spill with sand, earth or vermiculite and call emergency services.

**Protective Clothing:** For appropriate personal protective equipment see section 8.

**Environmental Precautions:** Prevent from entering drains, waterways or sewers. If spill does enter waterways contact local authority.

## Section 7: HANDLING AND STORAGE

**Handling:** Handle this product with care to avoid exposure, taking all recommended precautions. Avoid contact with skin, eyes and inhalation of vapours. Use in a well-ventilated area. Use personal protective equipment as required. DO NOT allow material to contact humans, exposed food or food utensils. DO NOT allow clothing wet with material to stay in contact with skin. Do not eat, drink or smoke while handling this product.

**Storage:** Keep out of reach of children. Store below 30°C, in original container, tightly closed in a safe place, away from direct sunlight and away from foodstuffs. Protect containers against physical damage and check regularly for leaks.

**Other Information:** Avoid contact with incompatible substances as listed in Section 10. Always read the label before use.



# SAFETY DATA SHEET

|                 |                         |                             |                          |              |
|-----------------|-------------------------|-----------------------------|--------------------------|--------------|
| Title: Q-DRENCH |                         |                             | Document: SDS-NZ033      |              |
|                 |                         |                             | Rev: 3.0                 | PAGE 5 OF 11 |
| Status: Current | Issue Date: 14-Aug-2020 | Effective Date: 14-Aug-2020 | Review Date: 14-Aug-2025 |              |

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

This SDS describes personal protective measures relating to long term industrial and manufacturing exposure and emergency situations, such as accidents and spills. See product label for personal protective measures during normal use of the marketed product.

**Exposure Limits:** No exposure limits have been assigned for this product or its ingredients.

**Engineering Controls:** Handle in a well-ventilated area. Ensure that the work environment remains clean.

### Personal Protective Equipment (PPE):

Eye protection: Safety glasses with side shields or chemical goggles are recommended when handling bulk quantities of this product.

Skin protection: When handling bulk product, prevent skin contact by wearing chemical protective gloves e.g. PVC. Wear safety gumboots e.g. rubber.

Respiratory protection: Not required for the normal use of this product.

Other: When handling bulk quantities of this product, overalls, PVC apron, barrier cream, skin cleansing cream and an eye wash unit may be required.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

|                                   |                      |                                   |                     |
|-----------------------------------|----------------------|-----------------------------------|---------------------|
| <b>Appearance:</b>                | Off-white suspension | <b>Lower flammability limits:</b> | Not available       |
| <b>Odour:</b>                     | Not available        | <b>Vapour Pressure:</b>           | Not available       |
| <b>Odour threshold:</b>           | Not available        | <b>Vapour density:</b>            | Not available       |
| <b>pH:</b>                        | 5.0 – 5.5            | <b>Relative density:</b>          | Not applicable      |
| <b>Melting Point:</b>             | Not applicable       | <b>Specific Gravity:</b>          | Not available       |
| <b>Boiling Point:</b>             | Not available        | <b>Solubility in Water:</b>       | Miscible with water |
| <b>Flash Point:</b>               | Not available        | <b>Partition coefficient:</b>     | Not available       |
| <b>Evaporation Rate:</b>          | Not available        | <b>Auto-ignition temperature:</b> | Not available       |
| <b>Flammability:</b>              | Not flammable        | <b>Decomposition temperature:</b> | Not available       |
| <b>Upper flammability limits:</b> | Not available        | <b>Viscosity:</b>                 | Not applicable      |



# SAFETY DATA SHEET

|                 |                         |                             |                          |              |
|-----------------|-------------------------|-----------------------------|--------------------------|--------------|
| Title: Q-DRENCH |                         |                             | Document: SDS-NZ033      |              |
|                 |                         |                             | Rev: 3.0                 | PAGE 6 OF 11 |
| Status: Current | Issue Date: 14-Aug-2020 | Effective Date: 14-Aug-2020 | Review Date: 14-Aug-2025 |              |

## Section 10: STABILITY AND REACTIVITY

**Reactivity:** This product is unlikely to react or polymerise under normal storage conditions.

**Chemical Stability:** When stored appropriately this product should show no significant degradation within the expiry period shown on the label.

**Conditions to Avoid:** Extreme temperatures.

**Incompatible Materials:** Oxidising agents.

**Hazardous Decomposition Products:** Decomposition may produce toxic fumes of carbon dioxide (CO<sub>2</sub>) and nitrous oxides.

## Section 11: TOXICOLOGICAL INFORMATION

### Acute Toxicity:

**Ingestion:** No data for the mixture is available. Based on available data for the ingredients, the mixture is classified as **Acute Toxicity (Oral) Category 4**. Toxic effects may result from the accidental ingestion of levamisole hydrochloride; animal experiments indicate that ingestion of less than 40 gram may be fatal or may produce serious damage to the health of the individual.

Levamisole hydrochloride: Oral LD<sub>50</sub>: 180 mg/kg (rat), 223 mg/kg (mouse).

Closantel: Oral LD<sub>50</sub>: 262 mg/kg (rat), 331 mg/kg (mouse).

Albendazole: Oral LD<sub>50</sub>: 2400 mg/kg (rat), 1500 mg/kg (mouse).

Abamectin: Oral LD<sub>50</sub>: 10 mg/kg (rat), 14 mg/kg (mouse).

**Dermal:** No data for the mixture is available. Based on available data for the ingredients, the mixture is not considered to be acutely toxic by the dermal route.

Levamisole hydrochloride: No data.

Closantel: No data.

Albendazole: No data.

Abamectin: Skin LD<sub>50</sub>: 2000 mg/kg (rabbit).

**Inhalation:** No data for the mixture is available. Based on available data for the ingredients, the mixture is not considered to be acutely toxic by the inhalation route.

Levamisole hydrochloride: No data.

Closantel: No data.

Albendazole: No data.

Abamectin: Inhalation LC<sub>50</sub>: 1100mg/m<sup>3</sup> (rat).

**Aspiration hazard:** No data available.

**Skin Corrosion / Irritation:** No data for the mixture is available. Based on available data for the ingredients, the mixture is not considered to cause skin corrosion/irritation.

**Serious Eye Damage / Irritation:** No data for the mixture is available. Based on available data for the ingredients, the mixture is classified as **Eye Irritation Category 2**.

**Respiratory or Skin Sensitisation:** No data for the mixture is available. Based on available data for the ingredients, the mixture is classified as **Skin Sensitisation Category 1**.



# SAFETY DATA SHEET

|                 |                         |                             |                            |
|-----------------|-------------------------|-----------------------------|----------------------------|
| Title: Q-DRENCH |                         |                             | Document: SDS-NZ033        |
|                 |                         |                             | Rev: 3.0      PAGE 7 OF 11 |
| Status: Current | Issue Date: 14-Aug-2020 | Effective Date: 14-Aug-2020 | Review Date: 14-Aug-2025   |

**Germ Cell Mutagenicity:** No data for the mixture is available. Based on available data for the ingredients, the mixture is classified as **Germ Cell Mutagenicity Category 2**. Levamisole has been classified as a possible mutagen by the European Agency for the Evaluation of Medicinal Products [EMA]. *In vitro* and *in vivo* studies in humans at a dose of 2 mg/kg levamisole by injection shows chromosome gaps and breaks in human lymphocytes.

**Carcinogenicity:** No data for the mixture is available. Based on available data for the ingredients, the mixture is not considered to be carcinogenic.

**Reproductive Toxicity:** No data for the mixture is available. Based on available data for the ingredients, the mixture is classified as **Reproductive Toxicity Category 1** and **Effects on or via Lactation**. A comprehensive series of developmental studies in mice, rats, rabbits, and sheep showed albendazole to be teratogenic. The malformations included visceral, craniofacial and bone defects (including shortened limbs). The lowest NOEL for any of the studies was 5 mg/kg bw/day for albendazole administered orally to rats or rabbits.

**STOT: Single exposure:** No data for the mixture is available. Based on available data for the ingredients, the mixture is not considered to be a specific target organ toxicant after single exposure. However, studies in dogs have shown that orally administered abamectin can elicit dose-dependent CNS effects, including tremors and ataxia.

**STOT: Repeat exposure:** No data for the mixture is available. Based on available data for the ingredients, the mixture is classified as **Specific Target Organ Toxicity - Repeat Exposure Category 2**. Chronic exposure to levamisole can lead to agranulocytosis. This can be fatal, particularly if infection occurs but it is reversible. It occurs at relatively low doses even when given on non-consecutive days. No NOEL can be identified and if one exists it is probably extremely small.

**Narcotic Effects:** No data for the mixture is available. Based on available data for the ingredients, the mixture is not considered to have any narcotic effects.

## Section 12: ECOLOGICAL INFORMATION

**Ecotoxicity:** No data for the mixture is available. Based on available data for the ingredients, the mixture is classified as **Acute Aquatic Hazard Category 1** and **Chronic Aquatic Hazard Category 1**.

### Fish

Levamisole hydrochloride: LC<sub>50</sub> (96h): 8.04 mg/L.

Closantel: LC<sub>50</sub> (96h): 0.017 mg/L.

Albendazole: LC<sub>50</sub> (96h): 9.86 mg/L.

Abamectin: No data.

### Crustacea

Levamisole hydrochloride: No data.

Closantel: No data.

Albendazole: No data.

Abamectin: No data.

### Algae and other aquatic plants

Levamisole hydrochloride: EC<sub>50</sub> (96h): 17.23 mg/L.

Closantel: EC<sub>50</sub> (96h): 0.0013 mg/L.

Albendazole: EC<sub>50</sub> (96h): 0.82 mg/L.

Abamectin: EC<sub>50</sub> (96h): 7.31 mg/L.





# SAFETY DATA SHEET

|                 |                         |                             |                          |              |
|-----------------|-------------------------|-----------------------------|--------------------------|--------------|
| Title: Q-DRENCH |                         |                             | Document: SDS-NZ033      |              |
|                 |                         |                             | Rev: 3.0                 | PAGE 8 OF 11 |
| Status: Current | Issue Date: 14-Aug-2020 | Effective Date: 14-Aug-2020 | Review Date: 14-Aug-2025 |              |

## Dung beetles

Abamectin is highly toxic to dung beetle larvae, with adult emergence reduced by 55 to 65% from dung collected two and four weeks post-treatment respectively. Abamectin is not toxic to mature egg-laying adults at concentrations likely to be found in dung. However, there is increased mortality and impaired development of larvae with sub-lethal effects on the morphology of some species in dung voided within 2-3 weeks of treatment, and increased mortality and delayed reproductive development in newly emerged adults of some species feeding on dung voided within 1 to 2 weeks of treatment. Dung of treated animals is highly toxic to dipteran larvae, inhibiting development for periods of 2 to 8 weeks post-treatment. The duration of these toxic effects on dung insects is consistent with the profile of excretion of the substance in faeces. The substance is also toxic to earthworms (14 day LC<sub>50</sub> 33 mg/kg soil).

## Bees

Abamectin: LD<sub>50</sub>: 0.002 ug/bee.

| Ingredient               | Persistence:<br>Water/Soil | Persistence:<br>Air | Bioaccumulation        | Mobility              |
|--------------------------|----------------------------|---------------------|------------------------|-----------------------|
| Levamisole hydrochloride | HIGH                       | HIGH                | LOW<br>(LogKOW = 1.84) | LOW<br>(KOC = 8652)   |
| Closantel                | HIGH                       | HIGH                | LOW<br>(LogKOW = 8.11) | LOW<br>(KOC = 300200) |
| Albendazole              | HIGH                       | HIGH                | LOW<br>(LogKOW = 3.14) | LOW<br>(KOC = 1871)   |
| Abamectin                | No data                    | No data             | No data                | No data               |

## Section 13: DISPOSAL INFORMATION

**Product Disposal:** Dispose of product according to label or at an approved landfill.

**Container Disposal:** Crush or puncture and bury in an approved landfill if an approved recycling system is not available.

## Section 14: TRANSPORT INFORMATION

**Dangerous Goods Classification:** Considered a Dangerous Good for Transport in New Zealand according to criteria of the New Zealand Land Transport Rule for Dangerous Goods, 2005.

### RAIL/ROAD (RID / ADR)

|                              |   |
|------------------------------|---|
| UN number                    | 3082  |
| UN proper shipping name      | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.<br>(Contains ABAMECTIN) |
| Transport hazard class(es)   |   |
| Class                        | 9   |
| Subsidiary risk              | -   |
| Packing group                | III   |
| Special precautions for user | Read safety instructions, SDS and emergency procedures before handling.     |





# SAFETY DATA SHEET

|                 |                         |                             |                          |
|-----------------|-------------------------|-----------------------------|--------------------------|
| Title: Q-DRENCH |                         | Document: SDS-NZ033         |                          |
|                 |                         | Rev: 3.0                    | PAGE 9 OF 11             |
| Status: Current | Issue Date: 14-Aug-2020 | Effective Date: 14-Aug-2020 | Review Date: 14-Aug-2025 |

## AIR (IATA)

**UN number** 3082  
**UN proper shipping name** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(Contains ABAMECTIN)  
**Transport hazard class(es)**  
**Class** 9  
**Subsidiary risk** -  
**Packing group** III  
**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.

## SEA (IMDG)

**UN number** 3082  
**UN proper shipping name** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(Contains ABAMECTIN)  
**Transport hazard class(es)**  
**Class** 9  
**Subsidiary risk** -  
**Packing group** III  
**Marine pollutant** Yes  
**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.

**General Information:** IMDG Regulated Marine Pollutant. As of January 1, 2015, materials offered for transport that are classified for transportation only as Marine Pollutants and which are packaged in single or combination packagings containing a net quantity per single or inner packaging of 5 L or less for liquids or having a net mass per single or inner packaging of 5 kg or less for solids are NOT subject to ICAO/IATA, IMDG, or ADR transport regulations provided the general packaging requirements of those regulations are met. Refer to ICAO/IATA A197, IMDG 2.10.2.7, ADR SP 375.

## Section 15: REGULATORY INFORMATION

**ACVM No.:** A009291

**HSNO Approval No:** HSR100758 (previously HSR000062)

**HSNO Classification:** 6.1D (O), 6.4A, 6.5B, 6.6B, 6.8A, 6.8C, 6.9B, 9.1A.



# SAFETY DATA SHEET

|                 |                         |                             |                          |
|-----------------|-------------------------|-----------------------------|--------------------------|
| Title: Q-DRENCH |                         | Document: SDS-NZ033         |                          |
|                 |                         | Rev: 3.0                    | PAGE 10 OF 11            |
| Status: Current | Issue Date: 14-Aug-2020 | Effective Date: 14-Aug-2020 | Review Date: 14-Aug-2025 |

## Section 16: OTHER INFORMATION

This information is based on data believed by Jurox Pty 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 Pty 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:

|                        |  |
|------------------------|--|
| <b>ACVM</b>            | Agricultural and Veterinary Medicines.   |
| <b>ADR</b>             | International Carriage of Dangerous Goods by Rail.   |
| <b>CAS No.</b>         | Chemical Abstracts Service Registry Number.  |
| <b>CCID</b>            | Chemical Classification and Information Database.  |
| <b>CNS</b>             | Central nervous system.  |
| <b>DG</b>              | Dangerous goods.   |
| <b>EC<sub>50</sub></b> | The median effect concentration, being a statistically derived concentration of a substance that can be expected to cause an adverse reaction in 50% of organisms or a 50% reduction in growth or in the growth rate of organisms. |
| <b>EPA</b>             | Environmental Protection Authority – Te Mana Rauhi Taiao.  |
| <b>GHS</b>             | Globally Harmonized System of Classification and Labelling of Chemicals.   |
| <b>HAZCHEM</b>         | Emergency action code of numbers and letters that provide information to emergency services especially firefighters.   |
| <b>HSNO</b>            | Hazardous Substances and New Organisms Act, 1996.  |
| <b>IATA</b>            | International Air Transport Association.   |
| <b>ICAO</b>            | International Civil Aviation Organization.   |
| <b>IMDG Code</b>       | International Maritime Dangerous Goods Code.   |
| <b>KOC</b>             | Soil-Water Partition Coefficient. The ratio of a chemical's concentration that is adsorbed in the soil to the concentration of chemical in solution.   |
| <b>KOW</b>             | Octanol Water Partition Coefficient. The ratio of a compound's concentration in a known volume of n-octanol to its concentration in a known volume of water after the octanol and water have reached equilibrium.                  |
| <b>LC<sub>50</sub></b> | The median lethal concentration, being a statistically derived concentration of a substance that can be expected to cause death in 50% of animals.   |
| <b>LD<sub>50</sub></b> | The median lethal dose, being a statistically derived single dose of a substance that can be expected to cause death in 50% of animals.  |
| <b>NOEL</b>            | No-observed-adverse-effect-level. The level of exposure where there is no increase in the frequency or severity of any adverse effects in the exposed population when compared to its appropriate control.                         |
| <b>PPE</b>             | Personal Protective Equipment.   |
| <b>PVC</b>             | Polyvinyl chloride.  |
| <b>RID</b>             | International Carriage of Dangerous Goods by Rail.   |
| <b>SDS</b>             | Safety Data Sheet.   |
| <b>STOT</b>            | Specific Target Organ Toxicity.  |

### References:

Chemwatch  
ChemID Plus  
EPA New Zealand Chemical Classification and Information Database (CCID)  
HSDB (Hazardous Substances Data Bank)



# SAFETY DATA SHEET

Title: Q-DRENCH

Document: SDS-NZ033

Rev: 3.0

PAGE 11 OF 11

Status: Current

Issue Date: 14-Aug-2020

Effective Date: 14-Aug-2020

Review Date: 14-Aug-2025

## Revision History:

| Date of Revision | Reason  |
|------------------|---|
| 17 August 2018   | Updated to Globally Harmonised System of classification.  |
| 29 November 2018 | Updated to for reclassification as per GHS, updates to sections 2 only.   |
| 29 October 2019  | Update to DG information. Minor updates to sections 7, 11 and 12.   |
| 14 August 2020   | Removal of skin corrosion/irritation: Category 3 classification and addition of chronic aquatic toxicity: Category 1 classification. Minor updates to other sections. |

**END OF SDS**