

Derquantel: sc-391516



MATERIAL SAFETY DATA SHEET

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Derquantel
Product Number: sc-391516
Supplier: Santa Cruz Biotechnology, Inc.
2145 Delaware Avenue
Santa Cruz, CA 95060
800.457.3801 or 831.457.3800
Emergency: ChemWatch
Within the US & Canada: 877-715-9305
Outside the US & Canada: +800 2436 2255 (1-800-CHEMCALL) or call +613 9573 3112

SECTION 2. HAZARDS IDENTIFICATION

Hazard Classification
Non-Hazardous Substance, Dangerous Good
Risk Phrase (Hazard Statements)
Not applicable
Safety Phrases (Precautionary Statements)
Not applicable

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identity: Derquantel
CAS Number: 187865-22-1
Molecular Formula: C₂₈H₃₇N₃O₄
Molecular Weight: 479.61
EC-No.: -
Index-No.: -
RTECS No.: -

SECTION 4. FIRST AID MEASURES

General advice
First aid is not generally required after exposure, however, if discomfort, skin or eye irritation or difficulty breathing develop, seek medical attention.
Inhalation
If breathed in, move person into well ventilated area. If discomfort or difficulty breathing develop seek medical attention.
Skin contact
Wash contaminated skin and hair with soap and water. If discomfort or irritation develop, seek medical attention.
Eye contact
Flush eyes with water as a precaution. If discomfort or irritation develop, seek medical attention.
Ingestion
Following ingestion, immediately give a glass of water. If discomfort develops, seek medical attention.

SECTION 5. FIRE-FIGHTING MEASURES

Flammability No available data

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Flash Point

No available data

Combustion Products

No available data

Extinguishing Media

Select fire fighting media appropriate to the other materials involved in the fire.

Special Firefighting Procedures

Material may be flammable at high temperatures. It is recommended that fire fighters should wear protective gear and self-contained breathing apparatus to limit personal exposure.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Emergency procedures

Avoid breathing dust, vapors, mist or gas. Evacuate personnel to safe areas.

Environmental precautions

Not applicable

Methods and materials for containment and cleaning up

Contain spillage. Sweep up spill and dispose of all contaminated materials safely. Wash spill site with water until all material has been removed.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling

Avoid contact with skin and eyes. Wash thoroughly after handling the material.

Conditions for safe storage

Store at the indicated temperature in a tightly closed container. Store at -20°C.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National Exposure Standards

No data available

Biological Limit Values

No data available

Engineering Controls

Not applicable

Personal Protective Equipment

During routine use, wear suitable protective clothing; laboratory coat, gloves and safety glasses.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Form

Solid

Melting Point

No data available

Solubility

Soluble in ethanol, methanol, DMF or DMSO. Poor water solubility.

SECTION 10. STABILITY AND REACTIVITY

Chemical stability

Stable under recommended storage conditions.

Conditions to avoid

No data available

Incompatible materials

Strong oxidizing agents

Hazardous decomposition products

No data available

Hazardous reactions

No data available

Hazard symbols

Not applicable

SECTION 11. TOXICOLOGICAL INFORMATION

Acute and chronic health effects

Oral LD50 : No mortality in rats treated with up to 1 g/kg

Inhalation LD50 : No data available

Dermal LD50 : No data available

Other toxicity: Horses are highly sensitive to derquantal; deaths have occurred at 2 and 20 mg/kg

Skin corrosion / irritation

No data available

Serious eye damage / eye irritation

No data available

Respiratory or skin irritation

No data available

Germ cell mutagenicity

Not identified as a germ cell mutagen

Carcinogenicity

No data available

Reproductive toxicity

Not toxic to reproduction.

Teratogenicity

Not identified as a teratogen

Specific target organ toxicity (STOT)

Single exposure (globally harmonized system): Nervous system (jerky movements, piloerection, reduced somatomotor activity); ophthalmic effects; increased heart rate

Repeated exposure (globally harmonized system):

Biochemical changes, CNS effects

Aspiration hazard

No data available

Potential health effects

Inhalation: May be harmful if inhaled.

Ingestion: May be harmful if swallowed.

Skin: May cause skin irritation.

Eyes: May cause eye irritation.

Signs and symptoms of exposure

Drequantel is a marketed animal health product. For full details, refer to the manufacturer's website.

Synergistic effects

No data available

Additional information

RTECS No.: -

SECTION 12. ECOLOGICAL INFORMATION

Persistence and degradability

no data available

Bioaccumulative potential

no data available

PBT and vPvB assessment

no data available

Other adverse effects

no data available

Aquatic Toxicity

Toxicity to Fish: No data available

Toxicity to Daphnia and other aquatic invertebrates:
no data available

Mobility in soil

no data available

SECTION 13. DISPOSAL CONSIDERATIONS

Product

Dispose as for other chemical waste.

Packaging

Dispose of as for unused product

SECTION 14. TRANSPORT INFORMATION

IMDG	Not dangerous goods
IATA	Not dangerous goods
ADR/RID	Not dangerous goods
Special precautions for user	Not applicable

SECTION 15. REGULATORY INFORMATION

Labeling according to EC directives

Hazard Symbols	Not applicable
R-Phrases	Not applicable
S-Phrases	Not applicable
SUSDP (Australia only)	Schedule 6 - poison
Chemical safety assessment	Not carried out

SECTION 16. OTHER INFORMATION

The above information is believed to be correct but does not purport to be complete and should be used only as a guide. The burden of safe use of this material rests entirely with the user.

11/18/2013