



SAFETY DATA SHEET

DRC1339

Orillion (The trading name of Animal Control Products Ltd.)
408 Heads Road, Whanganui 4501, New Zealand
+64 6 34 4 5302 or +64 21 919 624

ACVM:	V002624
HSNO:	HSR001611
UN:	1708
CAS:	7745-89-3
Active:	98% DRC1339
Class:	6.1C
Packing Group:	III

1. IDENTIFICATION OF THE SUBSTANCE AND MANUFACTURER

1.1 Product identifier

Trade Name DRC1339

1.2 Relevant identified uses of the substance or mixture and uses advised against

For the control of birds.

1.3 Details of the supplier of the safety data sheet

Company Orillion, 408 Heads Road, Whanganui 4501, New Zealand.
(Orillion is the trading name of Animal Control Products Ltd.)

Phone numbers +64 6 344 5302 or +64 21 919 624

Email address enquiries@orillion.com

1.4 Emergency telephone number

National Emergency Contact number 111

NZ National Poisons Information Service 0800 764 766

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

- 6.1C Acute oral toxicity Category 3
Acute dermal toxicity Category 3
Acute inhalation toxicity Category 3
- 6.5B Skin sensitisation Category 1
- 6.8B Reproductive toxicity Category 2
- 8.2C Skin corrosion Category 1B
- 8.3A Serious eye damage Category 1
- 9.1A Hazardous to the aquatic environment acute Category 1
Hazardous to the aquatic environment chronic Category 1
- 9.2D Hazardous to soil organisms
- 9.3A Hazardous to terrestrial vertebrates
- CAS Registry number of active ingredient: 7745-89-3

2.2 Label Elements

Hazard Pictogram:



Signal word: **DANGER, WARNING**

Precautionary Statements

Hazard Statements:

- H301 Toxic if swallowed
- H311 Toxic if in contact with skin
- H314 Causes severe skin burns and eye damage.
- H317 May cause an allergic skin reaction
- H318 Causes serious eye damage
- H331 Toxic if inhaled.
- H361 Suspected of damaging fertility or the unborn child
- H410 Very toxic to aquatic life with long lasting effects
- H423 Harmful to the soil environment

H431 Very toxic to Terrestrial vertebrates

Prevention Statements:

P101 If medical advice is needed, have product container or label at hand
P102 Keep out of reach of children
P103 Read label before use.
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood
P260 Do not breath dust
P264 Wash hands thoroughly after handling
P270 Do not eat, drink, or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/ eye protection/ face protectio
P281 Use personal protective equipment as required.

Response Statements:

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
P301+P330+ P331 IF SWALLOWED: Rinse Mouth, do NOT induce vomiting.
P302+ P352 IF ON SKIN: Wash with plenty of soap and water.
P303+P361+P353 IF ON SKIN (or Hair): Remove/Take off immediately all contaminated clothi rinse skin with water/shower.
P304+P340 IF INHALED: remove to fresh air and keep at rest in a position comfortable breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contac lenses, if present and easy to do. Continue rinsing.
P308+P313 If exposed or concerned: Get medical advice/attention
P310 Immediately call a POISON CENTER or doctor/physician.
P312 Call a POISON CENTER or a doctor/physician if you feel unwell.
P321 Specific treatment - See instructions on label
P322 Specific Measures see instructions on label
P330 Rinse mouth
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention
P361 Remove/take off immediately all contaminated clothing.
P363 Wash contaminated clothing before reuse
P391 Collect spillage

Storage Statement:

P403+P233+P405 Store in a well-ventilated place, keep container tightly closed, Store Lockup

Disposal Statement:

P501 Dispose of contents/container in accordance with label directions.

2.3 Other Hazards No data.

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances

Contains no substances of concern other than the active ingredient.

3.2 Mixtures

Chemical Nature:	A whitish, fawn, or yellow coloured powder.
Component	3-CL ₂ CH ₃ C ₆ H ₃ NHCl
CAS Number	7745-89-3
Concentration (% w/w)	98%
Classification EU	1708
Other non-Hazardous ingredients *	Inert ingredients including moisture = 2% * do not affect the hazardous classifications of the substance

4. FIRST AID MEASURES

Ingestion:

If swallowed do NOT induce vomiting. Give water to drink. Get medical attention if symptoms occur.

Inhalation:

If inhaled, move the victim to fresh air immediately. Begin artificial respiration if breathing has stopped. Obtain medical attention if symptoms occur.

Eye Contact:

If contacted in the eyes, wash out immediately with water. Obtain medical attention if irritation occurs.

Skin Contact:

If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.

Get medical attention if symptoms occur.

For further advice contact the National Poisons Centre - 0800 POISON (0800 764 766) – or a doctor, immediately.

SYMPTOMS OF POISONING:

Dilation of pupils, hallucination, possible trembling and involuntary muscle spasms.

5. FIRE FIGHTING MEASURES

Extinguishing Media:

Non-flammable and non-explosive. Suitable extinguishing media are water, foam, sand, dry chemical, or CO₂.

Hazards from the substance:

In a fire, hazardous gases/vapours may be emitted.

Hazardous Combustion Products:

Decomposition products may include carbon monoxide and carbon dioxide, hydrogen chloride, nitrogen oxides etc.

Special precautions for fire-fighters:

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for Fire-fighters:

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. ACCIDENTAL RELEASE MEASURES

In the event of a spill, isolate the spill area and exclude all bystanders. Wear appropriate protective equipment and provide adequate ventilation. Take all practicable steps to manage any harmful effects of a spillage including preventing the powder or baits from entering streams or waterways. Recover any undamaged material for later use by placing in an appropriately labelled containers and dispose of spoiled material as directed below. Use a broom to collect fine material and wash down the spill area with copious amounts of water only after all spilled material has been removed.

7. HANDLING AND STORAGE

Precautions for safe handling:

When preparing, handling or laying baits, wear overalls and impervious rubber or PVC gloves. When handling the powder and open containers wear goggles and a dust mask as protection against dust entering the eyes or mouth. Do not eat, drink or smoke when using the product or handling open containers. Wash protective clothing and equipment daily after work. Remove protective clothing and wash hands and exposed skin thoroughly before meals and after any contact. Thoroughly wash implements and bait laying equipment before removing them from the operational area.

Conditions for safe storage, including any incompatibilities:

Store only in original container away from heat or sunlight, in a dry locked place away from food, children and domestic animals.

Store about 10°C and below 20°C.

Incompatible Materials:

None identified.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Tolerable exposure limits (TELS):

TEL_{water} = 0.6 mg/litre

TEL_{air} = 0.02mg/m³

Environmental Exposure Limits(EELs):

EEL_{fresh Water} = 0.03 µg/litre
EEL_{Marine Water} = 0.03 µg/litre
EEL_{soil} = 1 µg/kg dry weight

Occupational Exposure Limits:

Not Applicable (not assigned)

Engineering Measures:

Decontaminants: DRC1339 degrades very rapidly when exposed to sunlight and heat or ultraviolet radiation. Photodegradation occurs in water with a half-life that ranges from 6.5-41 hours. DRC1339 is not persistent in soils. It degrades in both aerobic and anaerobic soils.

Personal Protection Equipment:

Operators using or handling the product in open containers must wear gloves and overalls. Do not smoke, drink or eat while handling the product. Wash hands, face and any exposed areas after use. Wash protective equipment immediately after use or otherwise isolate and containerise for return to a washing facility. Wear a dust respirator, safety glasses, chemical gloves- PVC, polychlorpropene or Nitrile, wear overalls or dust coat. Use PVC apron when handling large quantities.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form / Colour / Odour:

A whitish, fawn, or yellow coloured powder.

Property:

Physical State:

Appearance:

Odour:

Odour Threshold:

pH:

Melting point/range:

Boiling point/range:

Flash Point:

Evaporation rate:

Flammability:

Upper/lower flammability or explosive limits:

Vapour Pressure:

Vapour density:

Relative Density:

Water Solubility:

Lipid Solubility:

Partition coefficient (N-octanol/water):

Auto-ignition Temperature:

Decomposition Temperature:

Viscosity:

Specification:

A fine, crystalline, dry powder

Off white, fawn, or yellow coloured powder

Has an acrid and unpleasant odour like dirty old socks

Not relevant

Not determined

Not relevant

No data available

No data available

No data available

No data available

No data available

Not relevant

Not relevant

No data available

No data available

No data available

No data available

No data available

No data available

No data available

10. STABILITY AND REACTIVITY

Stability:

DRC1339 degrades very rapidly when exposed to sunlight and heat or ultraviolet radiation. Photodegradation also occurs in water with a half-life that ranges from 6.5-41 hours. Store DRC1339 only in a cool, dark place.

Conditions to avoid:

Extremes of temperature.

Incompatible Materials:

Alkalis, strong acids oxidisers.

Hazardous Decomposition Products:

In fire conditions, decomposition products may include carbon monoxide and carbon dioxide, hydrogen chloride, nitrogen oxides etc.

11. TOXICOLOGICAL INFORMATION

This product is only moderately toxic to most mammals but is highly toxic to many bird species and aquatic invertebrates. Do not expose in areas accessible to waterfowl, poultry and other non-target birds. Keep out of streams, ponds and other water bodies.

DRC1339 has an LD₅₀ value of:

Toxicity Data for the Active Ingredient - Various Species *

Species (Oral) LD50	LD50- active
Mouse	2000 mg/kg B/W
Rat	1700 - 1770mg/kg B/W
Sheep	400mg/kg B/W
Rabbit	>1250 mg/kg B/W

12. ECOLOGICAL INFORMATION

Ecotoxic. Use only for the purpose indicated and, in the manner, prescribed by the label. Improper disposal of excess pesticide is unlawful. If wastes cannot be disposed of by use according to label instructions, contact local regional council or a Hazardous waste consultant for guidance.

13. DISPOSAL CONSIDERATIONS

DRC1339 degrades rapidly when exposed to heat, sunlight and ultraviolet radiation. The half-life of DRC1339 in biologically active soil is 24-48 hours and the identified metabolites have low toxicity. Product, which is surplus or spoiled including baits, should be disposed of by burying on the active tip face of an approved landfill. Alternatively dispose of surplus material through a sewage oxidation facility or other chemical treatment facility. Bury in a suitable container at a landfill. Do not use the empty container for any other purpose.

14. TRANSPORT INFORMATION

Regulated for transport:	Keep separated from foodstuffs.
UN Number:	1708
Proper Shipping Name:	Pesticide, solid, toxic, n.o.s [contains DRC1339]
Class:	6.1C
Packaging group:	III
Hazchem:	2X
Marine Pollutant:	Yes
Maximum transport quantity for tools of trade:	250kg
Maximum Transport quantity for passenger service vehicles:	0.5kg

15. REGULATORY INFORMATION

HSNO Classification: 6.1C, 6.5B, 6.8B, 8.2C, 8.3C, 9.1A, 9.2D, 9.3A

HSNO Approval number: HSR001611

SDS required when any quantity is present in a workplace

Emergency Response Plan required when > 1000kg is present in a workplace

Ecotoxic signage is required when >10000kg

Toxic signage required when >1000kg is stored

Registered Pesticides: DRC1339 – **V002624**

HSNO Approval: HSR001611

16. OTHER INFORMATION

Special Precautions & Other Comments

Wash hands after handling baits or animals that have been contaminated with DRC1339. Do not use poisoned or contaminated animals for food or feed.

This product is toxic for most birds and considerably less toxic to mammals. Apply the product only as specified by its label directions.

Where practicable, the exposed bodies of all poisoned birds or animals should be collected and destroyed by complete burning or deep burial.

Consult Nearest Poison Control Centre For Current Information

All information contained in this data sheet is as accurate and up to date as possible. Since Orillion cannot anticipate or control the conditions under which this information may be used, each user should review the information in the specific context of the intended application.

Revised by: JVQ
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