



SAFETY DATA SHEET

GENERATION® Block Bait

Date of Issue: 16 April 2025

1. SUBSTANCE/PREPARATION AND COMPANY IDENTIFICATION

Chemical name of active ingredient(s): Difethialone

Recommended use: Rodenticide for the control of rats and mice. For use in and around buildings and in sewers.

Supplier: UPL New Zealand Limited
PO Box 51584, Pakuranga
Auckland
Phone 0800 100 325
www.uplcorp.com/nz

Registrant: LIPHATECH S.A.S
Bonnell – CS10005 - 47480 PONT DU CASSE (France)
Ph: +33 5 53 69 35 70. Fax: + 33 5 53 66 30 65

Emergency telephone number: 0800 CHEM CALL (0800 243 622) 24 Hours

2. HAZARDS IDENTIFICATION



WARNING

Hazard Classification:

GHS Classification and Category	Hazard Code	Hazard Statement
Specific target organ toxicity, repeated exposure Category 2	H373	May cause damage to blood/hematopoietic system through prolonged or repeated exposure
Hazardous to the aquatic environment chronic Category 3	H412	Harmful to aquatic life with long lasting effects

Required identification Details:

Hazardous to terrestrial vertebrates

PRECAUTIONARY STATEMENTS:

PREVENTION

P102 - Keep out of the reach of children.
P103 - Read label carefully before use.
P260 - Do not breathe dust.
P280 - When handling bait wear gloves.

P260 - Do not breathe dust.

P273 - Avoid release to the environment.

RESPONSE

P314 - Get medical advice if you feel unwell.

DISPOSAL

P501 – Dispose of contents in accordance with local regulations.

Dispose of empty container by wrapping in paper, placing in a plastic bag and putting in garbage.

Wear gloves when retrieving and disposing of rodent carcasses or recovered untaken bait.

Do not contaminate streams, rivers or waterways with the bait or used containers.

The preparation cannot be safely neutralised. Do not release into drains or waterways

Contact the Local Authority or a reputable waste disposal company for collection and disposal of unwanted product.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/preparation Information on hazardous ingredients

Common name	CAS No	%
Difethialone	104653-34-1	0.0025%

4. FIRST-AID MEASURES

Description of necessary first aid measures:

General information:

Provide washing facilities in the workplace.

In all cases of suspected exposure, medical assistance should be sought immediately. For advice contact national poisons Centre (Tel: 0800 764 766) or a doctor.

Note that poisoning symptoms may develop over the course of several days.

First-aid measures

Inhalation:

If inhaled, remove person to fresh air and get medical attention.

Ingestion:

If swallowed, seek medical advice immediately and show the container/label/safety data sheet. Do not induce vomiting unless told to do so by the Poison Centre or doctor. Do not give anything by mouth to an unconscious person.

Skin contact:

Remove contaminated clothing. Launder before re-use. Wash affected skin immediately with soap and water. Monitor for symptoms described above.

Eye contact:

Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Monitor for symptoms described above.

Symptoms and effects:

Clinical symptoms: nosebleed, gum bleed, spitting blood, multiple or large hematoma, generally sudden appearance of an unusual visceral pain.

Biological symptoms: blood in the urine, increase in coagulation time
This rodenticide contains an anticoagulant ingredient.

Notes to a physician:

This rodenticide contains an anticoagulant ingredient.

This active substance may cause serious damage to health by prolonged exposure. The active substance has antivitamin K properties and absorption, or ingestion can cause blood coagulation

problems including hemorrhagic syndrome. Primary treatment is antidotal therapy rather than clinical assessment.

Antidotal therapy: SPECIFIC vitamin K1 (phytomenadione).

Analogues of Vitamin K1 (vitamin K3: menadione for example) are not very active and should not be used. The efficacy of the treatment should be followed by measuring the coagulation time. The treatment should not be discontinued until the coagulation time returns to normal and REMAINS normal. In case of serious intoxication, it may be necessary to administer, in addition to vitamin K1, blood or frozen fresh plasma or PPSB coagulant blood fraction transfusions.

For information on this pesticide product (including health concerns, medical emergencies, or pesticide incidents) call National Poisons Centre. Phone 0800 POISON [0800 764 766].

5. FIRE-FIGHTING MEASURES

HAZCHEM Code:

3X

Extinguishing media:

Use media suitable for the surrounding fire. Avoid, if possible, using a water spray fire extinguisher if there is a risk of polluting sewers and ground water.

Use foam, dry chemical, carbon dioxide, or water spray when fighting fires involving this material. Foam or dry chemical fire extinguishing system is preferred to prevent excessive water run-off.

Hazardous thermal (de)composition products:

On burning may emit toxic fumes.

The product is not known to produce hazardous decomposition products under normal storage conditions.

Normal products of organic combustion will be released under conditions of pyrolysis or combustion.

Specific methods:

Protection of fire-fighters:

Firefighters should wear self-contained breathing instructions: apparatus (full face-piece) and full protective clothing.

Contain runoff to prevent pollution.

Other Information:

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:

Wear gloves when handling the blocks.

Users must observe precautions during handling and storage. See also section 8 of this material safety data sheet.

Environmental precautions:

In case of major spillage in water, prevent entry into drains and waterways. If spilled product or polluted water reaches drainage systems or water courses, immediately inform the competent authorities.

Methods for cleaning up:

Large spill/Leak Procedures: Isolate and contain spill.

Limit access to the spill area to necessary personnel. Do not allow spilled material to enter sewers, streams or other waters. Scoop up spilled material and place in a closed, labelled container for use or disposal. After removal, clean contaminated area with water and detergent. Avoid the entry of washings into drains or waterways. See section 13 concerning disposal methods.

Small spills: Scoop up material for use according to label instructions.

7. HANDLING AND STORAGE

Handling:	Read the entire product label before using this rodenticide. Carefully follow all cautions, directions and use restrictions on the label. Avoid contact with eyes, skin or clothing. When handling product for use, wear gloves. If on skin and after each baiting, wash hands thoroughly with soap and water. After each day's use, wash gloves. Protective equipment: see section 8. Users should wash hands immediately after handling. When using, do not eat, drink or smoke.
Safe Storage:	Store in original container in a cool, dry area out of reach of children, pets and domestic animals. Do not contaminate water, food or feed. Keep container tightly closed. Do not remove or destroy product label.
Specific end use:	Rodenticide for use in bait station in and around agricultural, commercial, domestic, industrial and public services buildings. Place baits in bait stations which are inaccessible to other animals and birds. This product is hazardous to pigs, cats, dogs, native wildlife and poultry.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Workplace Exposure Guidelines

Exposure Standards:	EEL and TEL not set. Occupational exposure standards are not set for the active substance.
Exposure Standards outside the workplace:	None established
<u>Engineering measures:</u>	
Exposure control measures:	Ventilation: Special ventilation is not required for the normal handling and use of this product when following the label instructions.
<u>Personal Protective Equipment</u>	
<u>Detail specifications for equipment:</u>	
Respiratory system:	Wear disposable dust mask.
Skin and body:	When opening the container, preparing product for use (loading) and if applying by hand, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing).
Hands:	Wear elbow-length rubber/latex gloves. Care should be taken when removing and disposing of gloves. Users should wash hands immediately after handling in all cases.
Eyes:	Wear eye protection if dust has been generated
General hygiene:	After each day's use, wash gloves and contaminated clothing. Wash skin thoroughly with soap and water.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, colour, etc.):	Solid blue blocks.
Odour:	Raw grain odour.
Odour threshold:	
pH:	NA
Melting point/freezing point:	NA
Initial boiling point and boiling range:	NA
Flash point:	NA
Flammability (solid, gas):	NA
Upper/lower flammability or explosive limits:	NA

Vapour Pressure:	NA
Vapour Density:	NA
Relative Density:	1.05 g/cm ³
Solubility (ies):	NA
Partition coefficient: n-octanol/water:	NA
Auto-ignition temperature:	NA
Decomposition temperature:	NA
Kinematic viscosity:	NA
Particle characteristics:	NA
Explosive Properties:	Not explosive
Oxidation Properties:	Not an oxidiser

10. STABILITY AND REACTIVITY

Stability:	Product is stable for at least 2 years under ambient storage conditions.
Conditions to avoid:	Excessive heat and moisture.
Materials to avoid:	NA
Hazardous Decomposition Products:	NA
Hazardous polymerization:	May produce oxides of carbon in a fire.
Hazardous Reactions:	Not subject to polymerization.
Specific Data:	Not reactive
	NA

11. TOXICOLOGICAL INFORMATION

Prolonged and/or repeated exposure to small amounts of product can produce cumulative toxicity. Symptoms of toxicity include lethargy, loss of appetite, reduced clotting ability of blood, and bleeding.

Acute toxicity – Oral:	LD ₅₀ (oral - rat): >5000 mg/kg
Acute toxicity - Dermal:	LD ₅₀ (dermal - rabbit): >2000 mg/kg
Acute toxicity – Inhalation:	NA
Inhalation and Ingestion:	Due to this product's solid form, inhalation is unlikely. May be harmful if swallowed.
Skin irritation:	Non-irritating. May be harmful if absorbed through skin.
Eye irritation:	Mild, transient irritant.
Respiratory or skin sensitization:	Not a skin sensitizer.
Germ cell mutagenicity:	No data available for the mixture. Active substance Difethialone: No in vivo or in vitro evidence of mutagenicity.
Carcinogenicity:	Contains no known or suspected carcinogens. Active substance Difethialone: No evidence of carcinogenicity.
Reproductive toxicity:	No data available for the mixture. Active substance Difethialone: No evidence of reproductive toxicity.
Aspiration hazard:	NA
STOT-single exposure:	NA
STOT-repeated exposure:	May cause damage to organs through prolonged or repeated exposure. May cause damage to blood/hematopoietic system through prolonged or repeated exposure. Target Organ Toxin Blood thinner. Bleeding disorders aggravated by exposure. <u>Studies conducted on active substance difethialone</u> LOAEL – Rat (90 days): 4 µg/kg bw/day – NOAEL (Rat – 90 days): 2 µg/kg bw/day LOAEL – Dog (90 days): 20 µg/kg bw/day – NOAEL (Dog – 90 days): 10 µg/kg bw/day).

12. ECOLOGICAL INFORMATION

Ecology – general:	This product is toxic to fish and wildlife. Do not apply this product directly to water, where surface water is present or to intertidal areas below the mean high water mark. Carefully follow label cautions and instructions to reduce hazards to children, pets and non-target wildlife
Hazardous to the aquatic environment, short-term (acute):	<u>Data on active substance Difethialone:</u> The substance is very toxic to aquatic organisms.
Classification procedure - Hazardous to the aquatic environment, short-term (acute):	<u>Data on active substance Difethialone:</u> The substance is very toxic to aquatic organisms. LC ₅₀ Fish (96 h.): 51 µg/L – NOEC: 22 µg/L (<i>Oncorhynchus Mykiss</i>) EC ₅₀ <i>Daphnia</i> (48 h.): 4.4 µg/L – NOEC: 3 µg/L (<i>Daphnia magna</i>) EbC ₅₀ Algae (72 h.): 65 µg/L – NOEC: 32 µg/L (<i>Selenastrum capricornutum</i>)
Hazardous to the aquatic environment, long-term (chronic):	Harmful to aquatic life with long lasting effects
Classification procedure - Hazardous to the aquatic environment, long-term (chronic):	Classification based on mixture calculation.
Toxicity to terrestrial vertebrates	Hazardous to terrestrial vertebrates. Harmful to vertebrate life with long lasting effects. Product used as rodenticide. Bird toxicity: Acute toxicity LD50: 0.264 mg/kg bw (<i>Colinus virginianus</i>) Short term dietary (30 days) LC50: 0.56 mg/kg of food (<i>Colinus virginianus</i>)
Toxicity to terrestrial invertebrates	Acute toxicity LC50 Earthworm (14 days) (<i>Eisenia foetida</i>): > 1000 mg/kg soil
Persistence and degradability:	The active substance Difethialone is not considered as easily biodegradable. <u>Degradation pathway and rate in soil:</u> DT50: between 417 and 976 days <u>Degradation pathway and rate in water:</u> Hydrolysis DT50: 175 days (pH 7); >1 year (pH 5) – 11.2% degradation after 30 days - Photolysis DT50: between 20 and 60 minutes
Bioaccumulative potential:	<u>Data on Difethialone active substance:</u> Log Pow: 6.29 Bioconcentration factor (BCF) (fishes): 39974 (calculated) – High bioaccumulative potential
Partition coefficient n-octanol/water (Log Kow):	NA
Mobility in soil:	The active substance Difethialone is not mobile in soil.
Other adverse effects:	NA

13. DISPOSAL CONSIDERATIONS

Methods of disposal:	Wastes resulting from the use of this product must be disposed of as specified on the product label, according to the label instructions. This product is not regulated as a dangerous good. Local Government regulation may affect the disposal of this product. Consult your local Regional Council for disposal of waste generated other than by use according to label instructions.
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**Empty container
disposal/precautions:**

Care should be taken to ensure that disposal methods do not expose the preparation to non-target wild or domestic animals or pets. Dispose of according to national/local law. Do not release into drains or waterways.
Do not contaminate water, food or feed by storage or disposal.
Do not contaminate ground, waterbodies or watercourses with chemicals or used containers. Refer to local waste and National regulations.
The empty container should not be used for any other purpose and should be disposed of considering the comments above. Do not reuse or refill the container.

14. TRANSPORT INFORMATION - International transport regulations

UN number: This product is not classified as dangerous goods according to these regulations.

Hazchem NA

DG Code: This product is not classified as dangerous goods according to these regulations.

Packing Group: NA

Marine Pollutant: The active substance is very toxic to aquatic organisms and may cause long-term adverse effects.

Proper shipping name: This product is not classified as dangerous goods according to these regulations.

MTQ (non-Commercial):

Passenger Service Vehicle:

15. REGULATORY INFORMATION

ACVM Registered Number: V009597

HSNO Approval Code: HSR100840

16. OTHER INFORMATION

Additional information:

Original Issue Date: 15th February 2014
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Replaces: ES647

Disclaimer EXCLUSION OF LIABILITY: PLEASE READ

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