

EC Safety Data Sheet

ZENECA Agrochemicals

KLERAT PELLETS - WITH BITREX

Version: 3

Last change: 06/02/97

Date of issue: 06/02/97

1. IDENTIFICATION OF SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product name : KLERAT PELLETS - WITH BITREX
Company : ZENECA Agrochemicals
Fernhurst
Haslemere
Surrey GU27 3JE
Phone number : (01428) 644061 Fax:
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2. COMPOSITION/INFORMATION ON INGREDIENTS

Product Description

An anticoagulant rodenticide bait of cereal based pellets with bitrex.

EEC-No. : 259-980-5 Brodifacoum

Hazardous ingredients	CAS-No.	Hazard symbols	Risk Phrases	Concentration
Brodifacoum	56073-10-0	T+	R27/28-R48/24/25	0.005 % w/w

3. HAZARDS IDENTIFICATION

This material may cause mild irritation following eye contact, but is unlikely to cause skin irritation.

4. FIRST AID MEASURES

Symptoms of poisoning are typical of anticoagulants. In severe cases there may be bruising, haematomas of the joints, blood in the faeces and urine. An antidote, Vitamin K1 (phytomenadione BP), should only be administered under the direction of a doctor who has access to a hospital laboratory. Doctors should refer to the leaflet 'The treatment of Anticoagulant Rodenticide Poisoning', 1988.

Eye contact : Immediately irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 15 minutes. Obtain immediate medical attention.
Skin contact : Take off immediately all contaminated clothing and footwear. Wash skin immediately with water, followed by soap and water. Such action is essential to minimise contact with skin. Contaminated clothing should be laundered before re-issue.
Inhalation : Unlikely route of exposure.
Remove patient from exposure, keep warm and at rest. Obtain medical attention as a precaution.
Ingestion : ALL POISONED PATIENTS MUST BE TAKEN TO HOSPITAL IMMEDIATELY.
Refer to the leaflet 'The Treatment of Anticoagulant Rodenticide Poisoning', 1988.
Do not induce vomiting.

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Medical advice

Gastric lavage may be effective when performed within 4 hours of ingestion. Doctors should refer to the leaflet 'The treatment of Anticoagulant Rodenticide Poisoning', 1988.

5. FIRE FIGHTING MEASURES

Keep fire exposed containers cool by spraying with water.

Extinguishing media : For small fires, use foam, carbon dioxide or dry powder extinguishant. For large fires, use foam or water-fog; avoid use of water jet. Contain run-off water with, for example, temporary earth barriers.

Protective Equipment : A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions.

6. ACCIDENTAL RELEASE MEASURES

Clean up methods : Sweep up and shovel into waste drums or plastic bags. Protect against dust. Wash the spillage area with water. Washings must be prevented from entering surface water drains.

Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

7. HANDLING AND STORAGE**HANDLING**

Read the label before use.

Safe handling advice

: Avoid all contact by mouth. Avoid contact with skin and eyes. When using do not eat, drink or smoke. Wash face and hands before eating, drinking or smoking. Prevent access to baits by domesticated animals.

STORAGE

Safe storage advice : Keep locked up. Keep in original containers, tightly closed, out of reach of children. Keep away from food, drink and animal feeding stuffs.

Storage Life

Physically and chemically stable for at least 2 years when stored in the original unopened sales container at ambient temperatures.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Personal protection**

When using this product refer to the label for details.

Occupational exposure limitsHazardous ingredient : Brodifacoum ZENECA Standard
8 hr TWA 0.002 mg/m³

Not applicable to field use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : pellets
Colour : red
Odour : odourless
Melting point : Not available.
Boiling point : Not available.
Flash point : does not flash
Autoignition : Not available.
temperature
Explosive properties : Not applicable
Vapour pressure : Not available.
Bulk density : 0.6 .. 0.7 g/ml
Solubility : insoluble in/with water
pH-value (quant.) : Not available.
Partition coeff. : Not available.
Oxidizing properties :
Not applicable

10. STABILITY AND REACTIVITY

Hazardous decomposition
products : Combustion or thermal decomposition will evolve toxic and
irritant vapours.

11. TOXICOLOGICAL INFORMATION**ACUTE TOXICITY (LETHAL DOSES)**

This health hazard assessment is based on information available on similar formulations.

LD50 Oral rat : approx 10 g/kg

Low oral toxicity.

LD50 Dermal rabbit : > 500 mg/kg

By consideration of the components of this mixture it is unlikely to be harmful in contact with skin.

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Inhalation
Unlikely to cause harmful effects under normal conditions of handling and use.

ACUTE TOXICITY (IRRITATION, SENSITISATION ETC.)

Eye Irritation : Slight/mild irritant to rabbit eyes.

Skin Irritation : Non-irritant to rabbit skin.

CHRONIC TOXICOLOGICAL EFFECTS / LONG TERM EXPOSURE

Long Term Exposure : No long term risks to man are associated with the normal handling and use of this material.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL FATE AND DISTRIBUTION

The substance is essentially insoluble in water.

ECOTOXICITY

Unlikely to be hazardous to aquatic life.
Harmful to animals and birds

13. DISPOSAL CONSIDERATIONS

Do not contaminate ponds, waterways or ditches with chemical or used containers. Surplus material must be disposed of as detailed in the 'Guidelines for the avoidance, limitation and disposal of pesticide waste on the farm' GIFAP, 1987. Empty containers should not be used for other purposes. Disposal should be in accordance with local, state or national legislation.

14. TRANSPORT INFORMATION

Not Classified as Dangerous for Transport.

15. REGULATORY INFORMATION

Classification : **Not Classified as Dangerous for Supply/Use.**
Special label : (S053) Do not re-use container, keep tightly closed in a safe place.
(S054) See instructions for use supplied separately.
(D01) Wash substances from skin or eyes immediately.

The safety phrases have been assigned by ZENECA Agrochemicals. Users should ensure that they comply with any relevant local, state or national legislation.

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16. OTHER INFORMATION

Use: : A rat and mouse bait.

Read the label before you buy: use pesticides safely.

This data sheet was prepared in accordance with Directive 91/155/EC (93/112/EC).

The information on this sheet is not a specification, it does not guarantee specific properties. The information is intended to provide general guidance as to health and safety based upon our knowledge of the handling, storage and use of the product. It is not applicable to unusual or non-standard uses of the product nor where instructions or recommendations are not followed.

A vertical bar (|) in the left margin indicates an amendment from the previous version.