

1. Identification of the preparation and the supplying Company	<p>SAKARAT BROMABAIT Killgerm Chemicals Ltd, Denholme Drive, Ossett, West Yorkshire, WF5 9NA. Tel: +44 (0)1924 268450 Fax: (0)1924 265033 Email: technical@Killgerm.com</p>														
2. Composition and information on ingredients	<p>Hazardous Components in Product</p> <table border="1" data-bbox="472 310 1429 388"> <thead> <tr> <th>Component Name</th> <th>Classification</th> <th>Concentration</th> <th>R Phrases</th> </tr> </thead> <tbody> <tr> <td>Bromadiolone Technical Material</td> <td>T+. N.</td> <td>0.005%</td> <td>R27/28 R51/53</td> </tr> <tr> <td>Bitrex</td> <td>Xn. Xi</td> <td><2.5%</td> <td>R20/22 R38 R41 R52/53</td> </tr> </tbody> </table>			Component Name	Classification	Concentration	R Phrases	Bromadiolone Technical Material	T+. N.	0.005%	R27/28 R51/53	Bitrex	Xn. Xi	<2.5%	R20/22 R38 R41 R52/53
Component Name	Classification	Concentration	R Phrases												
Bromadiolone Technical Material	T+. N.	0.005%	R27/28 R51/53												
Bitrex	Xn. Xi	<2.5%	R20/22 R38 R41 R52/53												
3. Hazard identification	<p>See paragraph 16 for full text of R-phrases and hazard classification of ingredients.</p> <p><u>Main Hazards</u> Not classified as hazardous. Large quantities would need to be ingested to produce a toxic effect. Avoid all contact by mouth. Practically non-hazardous by skin contact.</p> <p>This product contains bromadiolone, an indirect anticoagulant. Any signs of poisoning are unlikely to occur until 12-18 hours after ingestion. Thereafter, they will develop progressively and may rapidly appear. Clinical signs result from an increased bleeding tendency and include: an increase in prothrombin time, bruising easily with occasional gum bleeding, blood in the stool or urine, excessive bleeding from minor cuts and abrasions, pale mouth and cold gums, anorexia and general weakness. More severe cases of poisoning include haemorrhage (usually internal) and shock. This product is hazardous to mammals including domesticated animals, and birds if ingested. Exposure of non-target animals should be prevented.</p>														
4. First Aid measures	<table border="1" data-bbox="472 783 1429 1218"> <tr> <td>Ingestion:</td> <td>Wash out mouth with water. Do not induce vomiting. Obtain medical attention.</td> </tr> <tr> <td>Inhalation:</td> <td>Unlikely route of exposure. Remove from exposure to fresh air. Obtain medical advice if symptoms develop.</td> </tr> <tr> <td>Skin contact:</td> <td>Wash skin with soap and water.</td> </tr> <tr> <td>Eye contact:</td> <td>Wash out eye with plenty of water. Obtain medical advice if necessary.</td> </tr> <tr> <td>Advice to doctor:</td> <td>Bromadiolone is an indirect anticoagulant. Vitamin K1 (phytomenadione) is antidotal. In the case of suspected poisoning, determine prothrombin time not less than 18 hours after consumption. If elevated, administer vitamin K1, 40mg/day for adults and 20mg/day for children in divided doses. Continue until prothrombin times normalise. Continue determination of prothrombin time for two weeks after withdrawal of the antidote and resume treatment if elevation occurs in that time. N.B. Vitamin K3 is not effective. For comprehensive medical advice on the treatment of poisoning, contact the nearest Poisons Information Centre.</td> </tr> </table>			Ingestion:	Wash out mouth with water. Do not induce vomiting. Obtain medical attention.	Inhalation:	Unlikely route of exposure. Remove from exposure to fresh air. Obtain medical advice if symptoms develop.	Skin contact:	Wash skin with soap and water.	Eye contact:	Wash out eye with plenty of water. Obtain medical advice if necessary.	Advice to doctor:	Bromadiolone is an indirect anticoagulant. Vitamin K1 (phytomenadione) is antidotal. In the case of suspected poisoning, determine prothrombin time not less than 18 hours after consumption. If elevated, administer vitamin K1, 40mg/day for adults and 20mg/day for children in divided doses. Continue until prothrombin times normalise. Continue determination of prothrombin time for two weeks after withdrawal of the antidote and resume treatment if elevation occurs in that time. N.B. Vitamin K3 is not effective. For comprehensive medical advice on the treatment of poisoning, contact the nearest Poisons Information Centre.		
Ingestion:	Wash out mouth with water. Do not induce vomiting. Obtain medical attention.														
Inhalation:	Unlikely route of exposure. Remove from exposure to fresh air. Obtain medical advice if symptoms develop.														
Skin contact:	Wash skin with soap and water.														
Eye contact:	Wash out eye with plenty of water. Obtain medical advice if necessary.														
Advice to doctor:	Bromadiolone is an indirect anticoagulant. Vitamin K1 (phytomenadione) is antidotal. In the case of suspected poisoning, determine prothrombin time not less than 18 hours after consumption. If elevated, administer vitamin K1, 40mg/day for adults and 20mg/day for children in divided doses. Continue until prothrombin times normalise. Continue determination of prothrombin time for two weeks after withdrawal of the antidote and resume treatment if elevation occurs in that time. N.B. Vitamin K3 is not effective. For comprehensive medical advice on the treatment of poisoning, contact the nearest Poisons Information Centre.														
5. Fire-fighting measures	<table border="1" data-bbox="472 1224 1429 1444"> <tr> <td>General Hazard</td> <td>This product is non-flammable, but is combustible.</td> </tr> <tr> <td>Extinguishing Media</td> <td>Use water spray, foam, dry chemical or carbon dioxide. Cool the smouldering material with water spray to minimise the possibility of re-ignition. Keep containers and surroundings cool with water spray.</td> </tr> <tr> <td>Protective Equipment for Fire-Fighting</td> <td>Wear self contained breathing apparatus.</td> </tr> </table>			General Hazard	This product is non-flammable, but is combustible.	Extinguishing Media	Use water spray, foam, dry chemical or carbon dioxide. Cool the smouldering material with water spray to minimise the possibility of re-ignition. Keep containers and surroundings cool with water spray.	Protective Equipment for Fire-Fighting	Wear self contained breathing apparatus.						
General Hazard	This product is non-flammable, but is combustible.														
Extinguishing Media	Use water spray, foam, dry chemical or carbon dioxide. Cool the smouldering material with water spray to minimise the possibility of re-ignition. Keep containers and surroundings cool with water spray.														
Protective Equipment for Fire-Fighting	Wear self contained breathing apparatus.														
6. Spillages	<p>Any spillages should be cleared up immediately and disposed of safely. Wash contaminated surfaces with detergent solution.</p>														

7. **Handling and Storage**

Precautions in use:

This product is subject to the Food and Environmental Protection Act 1985, and the Control of Pesticides Regulations 1986 made under it. The product must be used in accordance with the product label.

FOR USE ONLY BY PROFESSIONAL OPERATORS.
AVOID ALL CONTACT BY MOUTH.

PREVENT ACCESS TO BAIT by children, birds and non-target animals particularly dogs, cats, pigs and poultry.

SEARCH FOR RODENT BODIES (EXCEPT WHEN USED IN SEWERS) AND DISPOSE OF SAFELY (e.g. burn or bury). Do not dispose of in refuse sacks or on open rubbish tips.

REMOVE ALL REMAINS OF BAIT AND BAIT CONTAINERS AFTER TREATMENT (EXCEPT WHEN USED IN SEWERS) AND DISPOSE OF SAFELY (e.g. burn or bury). Do not dispose of in refuse sacks or on open rubbish tips.

DO NOT PLACE BAIT where food, feed or water could become contaminated (except when used in sewers).

IF YOU FEEL UNWELL, seek medical advice (show the label where possible).

WASH HANDS AND EXPOSED SKIN before meals and after use.

EMPTY CONTAINER COMPLETELY and dispose of safely.

When working in rodent infested areas it is recommended that synthetic rubber/PVC gloves be worn to protect against rodent-borne disease.

Always attach labels to any containers used to carry bait decanted from this container.

Do not remove inner liner from outer bag.

STORE IN ORIGINAL CONTAINER, tightly closed, in a safe place.

Store in a cool dry place.

Protect from frost.

Storage and transport precautions:

8. **Exposure controls and personal protection**

<u>PPE ITEM</u>	<u>IN USE</u>	<u>SPILLAGE</u>
Respirators		Half mask respirator to EN140 plus P class filter to EN 143 to required (nominal) protection factor (minimum).
Gloves	Unlined/Flock lined, synthetic rubber/PVC to EN 374. (300mm in length) eg. Nitrile.	Unlined/Flock lined, synthetic rubber/PVC to EN 374. (300mm in length) eg. Nitrile.
Overall	Basic type eg. Heavy duty polycotton or coverall type 5/6.	Coverall type 5/6.
Goggles/ Faceshield		Goggles to EN 166 3459B.

9. **Physical and chemical properties**

Physical State	A whole wheat bait.
Colour	Green/Blue.
Odour	No significant odour.
Flammability	Not flammable.
Solubility in water	Insoluble.
Explosive Properties	None.
Oxidising Properties	None.

10. **Stability and Reactivity**

Stable under normal conditions.

11. **Toxicological information**

Product is not classified as hazardous.
Not irritating to skin or eyes.
Not a skin or respiratory sensitiser.
No known effects regarding repeat dose toxicity, mutagenic, carcinogenic, or reproductive system toxic effects.

12. **Ecological information**

This product is hazardous to mammals including domesticated animals, and birds if ingested.
Exposure of non-target animals should be prevented.
The active ingredient is very rapidly degraded by contact with soil.

13. Disposal considerations	<ul style="list-style-type: none"> • Empty outer pp 20k bag, uncontaminated- classified non-hazardous. EWC code 15 01 02 consider recycling route. • Empty outer pp 20k bag, contaminated but shaken empty. EWC code 15 01 10. Waste classification- non-hazardous. None of hazardous properties apply. • Empty inner liner (20k bag), contaminated but shaken empty. EWC code 15 01 10. • Empty pp bag plus inner liner, contaminated but shaken empty. EWC code 15 01 10. • Coveralls, gloves, other PPE, contaminated. EWC code 15 02 03. Waste classification- non-hazardous. None of hazardous properties apply. • Spent bait. EWC code 07 04 13. Biocide solid waste. Waste classification- non-hazardous. None of hazardous properties apply. • Contact supplier, local authority or Environment Agency for advice about disposal of waste items.
14. Transport information	Not classified.
15. Regulatory information	<ul style="list-style-type: none"> • This preparation has been classified in accordance with The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002: CHIP 3. These implement the Dangerous Preparations Directive- 99/35/EC. This Safety Data Sheet complies with CHIP 3 requirements and the Safety Data Sheets Directive 91/155/EEC (as amended by Directives 93/112/EC and 2001/58/EC). • Restricted to professional users. • Refer to other relevant measures such as the Health and Safety at Work etc Act 1974 and the COSHH regulations and guidance. • The information contained in this data sheet does not constitute the user's own assessment of workplace risks as required by legislation. • Hazard symbols: - None assigned. • Risk phrases: - None assigned. • Safety phrases: - None assigned under CHIP 3. See section 7 for safety precautions. • This product is approved under the Control of Pesticides Regulations 1986. • This data sheet has not been issued previously.
16. Other information	<p>Use only in accordance with label instructions.</p> <p>Ingredient classification data: T+, very toxic. Xn- Harmful. Xi- Irritant. N-Dangerous for the environment. R27/28- Very toxic in contact with skin and if swallowed. R20/22- Harmful by inhalation and if swallowed. R38- Irritating to skin. R41- Risk of serious damage to eyes. R51/53- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R52/53- Harmful to aquatic organisms, may cause long-term effects in the aquatic environment.</p> <p>The information in this data sheet should be considered when undertaking a risk assessment under the COSHH regulations.</p> <p>This data sheet does not constitute a COSHH assessment.</p> <p>The information contained within this data sheet is strictly for general guidance only and should not be relied upon over and above this. This data sheet is intended to provide general health and safety guidance on the handling, storage and transportation of the preparation. The information provided in this data sheet is accurate at the date of publication and will be updated as and when appropriate. No liability will be accepted by Killgerm Chemicals Limited for any loss, injury or damage arising from any failure to comply with the information and advice contained within this data sheet and/or failure to comply with the manufacturer's guidelines, product label data and any associated technical usage literature.</p>