

1	Identification of the preparation and the supplying Company	<b>Sewarin P</b> Killgerm Chemicals Ltd, Denholme Drive, Ossett, West Yorkshire, WF5 9NA. Tel: +44 (0)1924 268450 Fax: (0)1924 265033 Email: <a href="mailto:technical@Killgerm.com">technical@Killgerm.com</a>	
2	Composition and information on ingredients	Warfarin	- 0.05%w/w
		Mould inhibitor, sugar, pinhead oatmeal	- 99.95%w/w
3	Hazards identification	Not classified as hazardous under CPLDS, "CHIP" or COPR. Warfarin is listed in EH40 and has been given an 8hr exposure limit of 0.1mg/m <sup>3</sup> and 0.3mg/m <sup>3</sup> for a 10 minute exposure period. 1 gram of Sewarin P contains 0.25mg warfarin. <u>The product is not in a form whereby dust can be readily raised and consequently breathed in.</u>	
4	First Aid measures	Ingestion:	DO NOT INDUCE VOMITING. Wipe contaminant out of mouth then rinse out mouth several times with clean water. Seek medical attention.
		Skin contact:	Wash off with soap and water. Remove contaminated clothing.
		Eye contact:	Flush thoroughly with eye wash solution or clean water.
		Advice to doctor:	Warfarin is an indirect anticoagulant. Vitamin K1 (phytomenadione) is antidotal. Poisoning is unlikely unless large quantities have been ingested. In case of suspected poisoning, determine prothrombin times not less than 18 hours after consumption. If elevated, administer vitamin K1 and continue until prothrombin times normalise. Continue determination of prothrombin times for three days after withdrawal of antidote and resume treatment if elevation occurs in that time. For comprehensive medical advice on the treatment of poisoning contact the nearest Poisons Information Centre.
5	Fire-fighting measures	Extinguishers:	Use water spray, dry chemical, carbon dioxide or foam extinguishers. Toxic fumes will be evolved in a fire. Self-contained breathing apparatus should be worn by fire fighters.
6	Accidental release measures	Spillage (containment and disposal):	Sweep up, wearing appropriate PPE into a marked container. Contact supplier for advice on disposal. Wash contaminated area with soap and water.
7	Handling and storage	Precautions in use:	PREVENT ACCESS TO THE BAITS by children, birds and domesticated animals, particularly cats, dogs and pigs. REMOVE ALL REMAINS OF BAIT AND BAIT CONTAINERS after treatment. SEARCH FOR RODENT BODIES AND DISPOSE OF SAFELY, DO NOT PLACE in refuse bins or on rubbish tips. STORE IN ORIGINAL CONTAINER, tightly closed in a safe place. EMPTY CONTAINER COMPLETELY and dispose of safely.
		Storage and transport precautions:	Store in original container, tightly closed, under cool and dry conditions in a safe place. Store and transport away from products which have an odour. Not classified for transport under CPLDS of The Road Traffic (Carriage of Dangerous Substances in Packages etc.) Regulations 1986.
8	Exposure controls and personal protection	PPE Item	In Use Spillage
		Respirator	Dust mask if sweeping up. Half mask to prEN140 with P2 filter e.g.- Polimask 100 twin + P2 (PC11) filter. Disposable mask to HSE TM14/9.1 e.g.- Sekur Pirelli SM100.
		Gloves	Unlined synthetic rubber, 300mm in length, e.g.- Solvex nitrile. Unlined synthetic rubber, 300mm in length, e.g.- Solvex nitrile.
		Overall	Basic coverall – Dust resistant e.g.- EP Coverall.
		Goggles/ Face shield	Goggles to BS 2092 ICD.
9	Physical and chemical properties	Appearance:	Particulate solid, pinhead oatmeal particles, golden brown to green coloured product.
		pH:	Not applicable.
		Flash point:	Not applicable.
		Flammability:	Not considered a fire hazard but it will burn.
		Bulk density:	0.74g per cubic cm.
		Solubility:	Insoluble in water.
		Odour:	No significant odour.
10	Stability and reactivity	Not a reactive preparation.	

11	Toxicological information	Routes of entry/symptoms of contact:	
		Inhalation:	The product has a low vapour pressure and little dust component so the risk of contact via this route is very low.
		Skin and eyes:	Warfarin can be absorbed through the skin.
		Ingestion:	Hazardous if ingested in large quantities.

# Safety Data Sheet

# Sewarin P

Symptoms of contact:

Clinical signs result from an increased bleeding tendency and include: an increased prothrombin time, bruising easily with occasional bleeding from minor cuts and abrasions, pale mouth and cold gums, anorexia and weakness. More severe cases of poisoning include haemorrhage (usually internal), shock and coma. Warfarin shows cumulative effects i.e.- repeated doses will have significantly greater effects than acute exposure.

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12	Ecological information	Warfarin rat bait is hazardous to mammals including domestic animals and birds if injected. Access to bait by non-target animals must be prevented. Warfarin degrades in soil and is expected to slowly, but ultimately biodegrade.
13	Disposal considerations	Empty containers: Empty completely – do not remove inner liner. Dispose of as below. Unused/recovered materials: Do not dispose of in domestic refuse. Treat as controlled waste. Ask supplier for advice. Contaminated PPE:
14	Transport information	Not classified.
15	Regulatory information	Approved under COPR – MAFF no. 01930. Always read the label. Use pesticides safely. Refer to other relevant measures such as Health & Safety at Work etc. Act and the COSHH regulations. The information contained in this data sheet does not constitute the user's own assessment of workplace risks as required by legislation
16	Other information	Ensure users are adequately trained. Health surveillance: Depending on potential worker contact and advice from an occupational hygienist, consideration should be given to the need for measuring prothrombin times of blood samples at regular intervals.

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