

# Material Safety Data Sheet

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Infosafe No. BSF4Q Issue Date : November 2005 RE-ISSUED by BASFANZ

Product Name : **STRATAGEM® SECURABLE WAX BLOCK RODENTICIDE**

Not classified as hazardous according to criteria of NOHSC

## COMPANY DETAILS

**Company Name** BASF Australia Ltd (ABN 62 008 437 867)  
**Address** 500 Princes Highway Noble Park  
Victoria 3174 Australia  
**Emergency Tel.** 1800 803 440 (24h)  
**Tel/Fax** Tel: +61 3 9212 1500 Fax: +61 3 9212 1511  
**Other Information** BASF New Zealand Limited  
3 Airpark Drive, Airport Oaks, Manukau  
P.O. Box 407, Auckland 1015  
Phone: + 64 9 255 4300  
Fax: + 64 9 255 4307  
E-mail address: reception@basf-nz.co.nz  
Emergency information:  
National Poisons Centre: 0800 764 766  
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)

## IDENTIFICATION

**Product Name** STRATAGEM® SECURABLE WAX BLOCK RODENTICIDE  
**Proper Shipping Name** None Allocated  
**UN Number** None Allocated  
**DG Class** None Allocated  
**Packing Group** None Allocated  
**Hazchem Code** None Allocated  
**Poisons Schedule** S6  
**Product Use** Rodenticide.  
**Synonyms** Flocoumafen  
4-Hydroxy-3-[1,2,3,4-tetrahydro-3-[4-(4-trifluoromethylbenzyloxy)phenyl]-1-naphthyl]coumarin (mixture of cis- and trans-isomers) (IUPAC)  
4-Hydroxy-3-[1,2,3,4-tetrahydro-3-[4-[[4-trifluoromethyl]phenyl]methoxy]phenyl]-1-naphthalenyl]-2H-1-benzopyran-2-one (9CI) (CA)

## Physical Data

**Appearance** Light blue hexagonal-shaped blocks.  
**Melting Point** Not available  
**Boiling Point** Not available  
**Vapour Pressure** <2 x 10E-9 mm Hg (25°C) (flocoumafen)  
**Specific Gravity** Not applicable  
**Flash Point** Not flammable  
**Flamm. Limit LEL** Not applicable  
**Flamm. Limit UEL** Not applicable  
**Solubility in Water** Insoluble in water

## Other Properties

**Volatile Component** Not available  
**Autoignition Temp.** Not available  
**Evaporation Rate** Not available  
**Vapour Density** Not available

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## Ingredients

Ingredients	Name	CAS	Proportion
	Flocoumafen	90035-08-9	0.005%
	Inerts in flocoumafen master mix		0.995%
	Blue dye		0.1 %
	Wax powder		25 %
	Flour		36.95 %
	Cut wheat		36.95 %

## HEALTH HAZARD INFORMATION

### Health Effects

<b>Acute - Swallowed</b>	Hazardous if ingested but large quantities would be needed to produce a toxic effect. This product contains a water soluble dye. If ingested, a stain may appear around the mouth indicating that exposure has occurred.
<b>Acute - Eye</b>	Non-irritant.
<b>Acute - Skin</b>	Not irritant and not a dermal sensitizer. Practically non-hazardous by skin contact. This product contains a water soluble dye. If contact is made with the skin, a stain may appear on contaminated skin indicating that exposure has occurred.
<b>Acute - Inhaled</b>	Little inhalation hazard if used in the correct manner.
<b>Chronic</b>	Because of the acute toxicity of flocoumafen and its intended use as a rodenticide, chronic toxicity studies have not been carried out. However, cumulative effects of flocoumafen are grossly abnormal prothrombin values resulting in widespread haemorrhage, reduced clotting function and degenerative changes to the liver.

### First Aid

<b>Swallowed</b>	Poisonous if swallowed. OBTAIN MEDICAL ATTENTION IMMEDIATELY. Vitamin K1 (phytomenadione is antidotal).
<b>Eye</b>	Flush eyes with water.
<b>Skin</b>	Remove contaminated clothing and wash skin thoroughly with soap and water.
<b>Inhaled</b>	Remove to fresh air.
<b>First Aid Measures</b>	If poisoning occurs, contact a doctor or Poisons Information Centre. Telephone 131126 Australia-wide.
<b>First Aid Facilities</b>	Eye wash and washing facilities must be readily available.

### Advice to Doctor

<b>Advice to Doctor</b>	The active constituent flocoumafen is an indirect blood anticoagulant. Ingestion of a relatively large quantity of bait would be required before a toxic effect is expected. In general, an increased tendency to bleed could indicate poisoning. Vitamin K1 (phytomenadione) is antidotal. In cases of suspected poisoning, determine prothrombin time not less than 18 hours after consumption. If elevation has occurred, administer Vitamin K1, intravenously in divided doses, 40mg for adults, 20mg for children daily. Treatment may be required daily for several weeks. Withdraw antidote with care and monitor prothrombin times continuously for 4 days or more after such withdrawal.
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### Other Health Hazard Information

### PRECAUTIONS FOR USE

<b>Exposure Limits</b>	Grain dust, 4 mg/m <sup>3</sup>
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**Eng. Controls** Do NOT inhale dust.

## Personal Protection

**Protective Equip.** Avoid contact with skin and eyes. When using the product, wear elbow-length PVC gloves. If on skin and after each baiting, wash thoroughly with soap and water. After each day's use, wash gloves.

## Flammability

**Fire Hazards** Not flammable.

## SAFE HANDLING INFORMATION

### Storage and Transport

**Storage and Transport** Store in the closed, original container in a safe place. Containers which have held bait should not be used for any other purpose. Pest Control Operations should dispose of empty containers, used bait stations and unused or untaken bait by burying in an approved dump. In a domestic situation, minimize the presence of excess baits. When unused baits are in good condition, return to original container for reuse. For empty containers, damaged or unwanted baits, wrap securely and dispose of in household refuse bin. Look for dead rats or mice and burn or bury them. Do NOT place in refuse bins or rubbish tips. Ensure baits are removed when rodent activity has ceased. Ensure containers are correctly labelled and securely sealed. Not classified as a dangerous substance for transport purposes.

**Proper Shipping Name** None Allocated

### Spills and Disposal

**Spills & Disposal** Clear area of all unprotected personnel. Wear protective equipment. Stop spillage if safe to do so by manoeuvring the container. Place product from damaged container into a clean empty drum remote from storage area and label. If the damaged container can be repacked, contact BASF Australia Ltd, so that an overdrum and transport to a nominated BASF location can be arranged. If possible, re-use the material for its intended purpose. Do NOT flush to drains or sewers. Do NOT contaminate streams, rivers or water courses. Sweep up carefully with brush or broom avoiding dust evolution. Place material in open top drum. Seal drum and bury in an area approved by the local waste disposal authority. Wash surfaces with detergent solution. Destroy empty containers by puncturing or shredding them. Dispose of the containers at a local authority landfill. If not available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, vegetation and roots. Empty containers and product should NOT be burnt.

### Fire/Explosion Hazard

**Fire/Explos. Hazard** Use dry powder, CO2 foam or water spray extinguishers. Unburned flocoumafen may be carried in the smoke from a fire. Wear full protective clothing and self-contained breathing apparatus. Confine the use of water to the cooling of unaffected stock, thus avoiding the risk of accumulation of polluted water from the run-off from the side. Decontaminate protective clothing before removal.

**Hazchem Code** None Allocated

## OTHER INFORMATION

**Toxicology** Acute oral rat: LD50 15,492 mg/kg (STORM Wax Block Bait)  
Acute dermal rat: LD50 40,600 mg/kg (calculated)

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**Environ. Protection** This bait is hazardous to pigs, cats, dogs, poultry, birds and wildlife. Do NOT place baits in locations which are accessible to other animals or birds. Do NOT contaminate ponds, streams, rivers or waterways with the bait or used containers. The use of this product for the control of protected native rodents requires permission from wildlife authorities.

**Persistence / Degradability** Not readily biodegradable.

**Ecotoxicity** Toxic to mammals. Moderately toxic to birds. Practically non-toxic to fish and other aquatic species. Rodenticide baits and dead rodents can be attractive to mammals and are therefore hazardous to domestic animals and to wildlife.

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## CONTACT POINT

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<b>Contact</b>	HS&E Co-ordinator (Aus)	Tel: +61 3 9281 6346	Fax: +61 3 9281 6320
	Business Support (NZ)	Tel: 0800 932 273	Fax: 0800 940 000

This MSDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. It should be read taking into account how the product is handled in your particular situation and how it is used in conjunction with other products.  
...End Of MSDS...