TRADE NAME: STORM WAX BLOCK RODENTICIDE

OTHER NAMES:
- 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)

USE: Rodenticide

MANUFACTURER'S NAME/ADDRESS
BASF Australia Ltd
Norwest Business Park, 7 Maitland Place
Baulkham Hills NSW 2153

DANGEROUS GOODS CLASS: Not applicable

SUBSIDIARY RISK: Not applicable

HAZCHEM CODE: Not applicable

POISONS SCHEDULE: 6

PACKAGING GROUP: Not applicable

EPG: Not applicable

APPEARANCE AND ODOUR: Light blue pillow-shaped blocks.

BOILING POINT: Not available

VAPOUR PRESSURE: <2 X 10⁻⁹ mm Hg at 25°C (flocoumafen)

VAPOUR DENSITY: Not available

SOLUBILITY (WATER): Insoluble in water

FIRE/EXPLOSION HAZARD:
- FLASH POINT °C: Not flammable
- LEL: Not applicable
- UEL: Not applicable

PHYSICAL DESCRIPTION/PROPERTIES

DENSITY kg/L: Not applicable

MELTING POINT: Not available

EVAPORATION RATE: Not available

PERCENT VOLATILES: Not available

AUTOIGNITION °C: Not available

® = Registered trademark of BASF
MSDS -STORM Wax Block Rodenticide

INGREDIENTS

<table>
<thead>
<tr>
<th>INGREDIENT</th>
<th>CAS No.</th>
<th>PROPORTION (w/w)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flocoumafen</td>
<td>90035-08-9</td>
<td>0.005%</td>
</tr>
<tr>
<td>Inerts in flocoumafen master mix</td>
<td></td>
<td>0.995%</td>
</tr>
<tr>
<td>Blue dye</td>
<td></td>
<td>0.100%</td>
</tr>
<tr>
<td>Wax Powder</td>
<td></td>
<td>25.000%</td>
</tr>
<tr>
<td>Flour</td>
<td></td>
<td>36.950%</td>
</tr>
<tr>
<td>Cut wheat</td>
<td></td>
<td>36.950%</td>
</tr>
</tbody>
</table>

HEALTH HAZARD INFORMATION

HEALTH EFFECTS

ACUTE EFFECTS

Hazardous if ingested but large quantities would be needed to produce a toxic effect. Practically non-hazardous by skin contact.

The product contains a water soluble dye. If ingested or contact is made with the skin, a stain may appear around the mouth or on contaminated skin indicating that exposure has occurred.

SWALLOWED

Toxic as above.

EYE

Not irritant.

SKIN

Not irritant and not a dermal sensitizer.

INHALED

Little inhalation hazard if used in the correct manner.

CHRONIC EFFECTS:

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

If poisoning occurs, contact a doctor or Poisons Information Centre. Telephone 131126 Australia-wide.

SWALLOWED

Poisonous if swallowed.

OBTAIN MEDICAL ATTENTION IMMEDIATELY. Vitamin K1 (phytomenadione is antidotal).
MSDS - STORM Wax Block Rodenticide

EYE
Flush eyes with water.

SKIN
Remove contaminated clothing and wash skin thoroughly with soap and water.

INHALED
Remove to fresh air.

ADVICE TO DOCTOR
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.

TOXICITY
Acute oral rat: LD₅₀ 15,492 mg/kg (STORM Wax Block Bait)
Acute dermal rat: LD₅₀ 40,800 mg/kg (calculated)

PRECAUTIONS FOR USE

EXPOSURE LIMITS
Grain dust, 4 mg/m³

ENGINEERING CONTROLS
Do NOT inhale dust.

PERSONAL PROTECTION
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
Not flammable.

SAFE HANDLING INFORMATION

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.
MSDS - STORM Wax Block Rodenticide

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.

Eye wash and washing facilities must be readily available.

**SPILLS AND 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**

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.

**OTHER INFORMATION**

**ECOLOGICAL INFORMATION**

**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.

**PERSISTENCE:** Not readily biodegradable.

**PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT**

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.
DISCLAIMER

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.

CONTACT POINT: BASF Australia Ltd

TELEPHONE: 1 800 635 550
EMERGENCY: 1 800 033111

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