

PRODUCT: **STORM**

DATE: 20/06/2002

VERSION: 1

PAGE: 1 of 5

1. **SUBSTANCE/PREPARATION AND COMPANY NAME**

Product Name: **STORM**  
 HSE Number: 6794  
 Company: BASF plc  
 PO Box 4, Earl Road  
 Cheadle Hulme, Cheadle  
 Cheshire SK8 6QG

Tel: 0161 485 6222

Fax: 0161 486 0891

Emergency information: 0161 485 6222 (24 hours)

2. **COMPOSITION/INFORMATION ON INGREDIENTS**

Use: Rodenticide.

Formulation: A block bait containing 0.005% w/w flocoumafen.

<u>Hazardous ingredients</u>	<u>CAS No.</u>	<u>% w/w</u>	<u>Symbol</u>	<u>R Phrases</u>
Flocoumafen	90035-08-8	0.005	Xn (Harmful) N (Dangerous for the environment)	R23, R24, R25, R26, R27, 28, R48, R50/53
Alphacypermethrin	67375-30-8	0.0002	T (Toxic) N (Dangerous for the environment)	R25, R50/53

3. **HAZARDS IDENTIFICATION**

Environmental hazards: FOR INDOOR USE ONLY.  
 PREVENT ACCESS TO THE BAIT by children, birds and other animals, particularly dogs, cats, pigs and poultry.  
 DO NOT PLACE BAIT where food feed, or water could become contaminated.  
 SEARCH FOR RODENT BODIES (EXCEPT WHEN USED IN SEWERS) AND DISPOSE OF SAFELY (BURN ONLY). Do not dispose of in refuse bins or on open rubbish tips.  
 REMOVE ALL REMAINS OF BAIT AND BAIT CONTAINERS AFTER TREATMENT (EXCEPT WHEN USED IN SEWERS) AND DISPOSE OF SAFELY (burn only). Do not dispose of in refuse bins or on open rubbish tips.

4. **FIRST AID MEASURES**

General advice: If a person thinks that they have been exposed to this product and feels unwell, call a doctor or take them to a hospital. Remove all contaminated clothing. Keep them at REST away from source of contamination. DO NOT ALLOW smoking or eating. First aider should avoid becoming contaminated and wear protective clothing if necessary.

Eye contact: Immediately irrigate affected eyes for at least 15 minutes under flowing water, with eyelids open.

Skin contact: Immediately remove contaminated clothing and footwear and flush skin with plenty of water. Wash affected area thoroughly with soap and water as soon as possible.

---

**4. FIRST AID MEASURES contd.**

Ingestion: DO NOT INDUCE VOMITING. Wash out mouth with clean water. Seek medical attention immediately.

Inhalation: Keep person calm, remove to fresh air.

Unconsciousness: If danger of loss of consciousness, place person in recovery position. Apply artificial ventilation if necessary, but care must be taken to avoid contamination of the first aider.

**GUIDE TO PHYSICIAN - general advice**

Active ingredient group: Flocoumafen – coumarin anticoagulant

Toxic effects: Flocoumafen is an indirect anticoagulant. Poisoning by Storm is most unlikely to occur except following deliberate ingestion of relatively large quantities, which is very difficult to achieve.

Symptoms of accidental over exposure: There is no documentation of pathological effects in humans.

Any unusual symptoms which occur after exposure (by any mode of entry) should be recorded and reported to BASF at Cheadle.

- (i) This product contains a water soluble dye. If ingested, or contact made with the skin, a stain may appear around the mouth or on contaminated skin indicating that exposure has occurred.
- (ii) Phytomenadione, Vitamin K<sub>1</sub>, is antidotal.
- (iii) Determine prothrombin times not less than eighteen hours after consumption. If elevated, administer Vitamin K<sub>1</sub> in divided doses, 40 mg/day for adults, 20 mg/day for children. Continue until prothrombin time normalises.
- (iv) After withdrawal of the antidote, continue determination of prothrombin time for two weeks and resume treatment if elevation occurs in that time.
- (v) NB Vitamin K<sub>3</sub> is not effective.

**5. FIRE FIGHTING MEASURES**

Suitable extinguishing media: Water spray, foam, dry chemical and carbon dioxide.

Possible harmful fumes in a fire: Toxic gases, vapours and flocoumafen can be released. Avoid breathing smoke or fumes.

Protective equipment: Self-contained breathing apparatus and protective clothing.

Further information: Call the Fire Brigade at once to deal with all fires involving pesticides unless the fire is small and immediately controllable. Spray unopened containers with a mist spray to keep cool. If without risk, remove intact containers from exposure to fire. Contain fire-fighting water, bunding if necessary with sand or earth. Do not allow contamination of public drains or surface or ground waters. Dispose of fire debris and contaminated water as advised in the MAFF/HSE "Pesticides: Code of Practice for the Safe Use of Pesticides on Farms and Holdings".

6. **ACCIDENTAL RELEASE MEASURES**

If spilled: Wear prescribed protective clothing. Clear spillage immediately. Contain spillage, sweep up and collect contaminated material and place in a marked container for disposal. Thoroughly wash area of spillage. Dispose of contaminated materials as advised in the MAFF/HSE "Pesticides: Code of Practice for the Safe Use of Pesticides on Farms and Holdings".

Wash thoroughly immediately after handling spillages, or at once if contaminated.

Personal protective equipment: See Section 8

Environmental precautions: Do not allow contamination of public drains or surface or ground waters. Inform local water plc if spillage enters drains and the Environment Agency (England & Wales), the Scottish Environmental Protection Agency (Scotland) or the Environment and Heritage Service (Northern Ireland) if it enters surface or ground waters. Keep people and animals away.

7. **HANDLING AND STORAGE**

Handling: Avoid all contact with the mouth. Avoid contact with skin and eyes. When using do not eat, drink or smoke. Keep away from domestic animals.

Protection against fire and explosion: No special measures necessary.

Storage: Keep dry and frostproof in a suitable pesticide store. Store separately from food, drink and animal feed.

8. **EXPOSURE CONTROLS AND PERSONAL PROTECTION**

(i) PRECAUTIONS (from product label)

AVOID ALL CONTACT BY MOUTH  
 WASH HANDS AND EXPOSED SKIN before meals and after work.  
 KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS (S13).  
 STORE IN ORIGINAL CONTAINER, tightly closed, in a safe place under lock and key.  
 EMPTY CONTAINER THOROUGHLY and dispose of safely.  
 IF YOU FEEL UNWELL, seek medical advice (show label where possible) (S44).

(iii) OCCUPATIONAL EXPOSURE LIMITS (OESs)

<u>Hazardous ingredients</u>	<u>Long term exposure limit</u>	<u>Short term exposure limit</u>
Not applicable		

9. **PHYSICAL AND CHEMICAL PROPERTIES**

Form: Solid, bait  
 Colour: Blue  
 Odour: Faint specific odour  
 Density: 0.60 – 0.68kg/l  
 Solubility in water: Insoluble

**10. STABILITY AND REACTIVITY**

Hazardous reactions: None provided product is correctly handled.

Substances to avoid: Unknown.

Hazardous decomposition products: No decomposition if stored and applied as directed.

**11. TOXICOLOGICAL INFORMATION**

Acute toxicity:

Ingestion :	LD50 oral (rat)	> 5000 mg/kg
Skin contact :	LD50 dermal (rat):	> 10000 mg/kg
Eye contact:	Non-irritant	
Sensitising potential :	No sensitising effect	

**12. ECOLOGICAL INFORMATION**

No data available.

**13. DISPOSAL CONSIDERATIONS**

Leaking containers: Damaged containers must be dealt with as soon as noticed by sealing them in impermeable containers.

Disposal of used containers: Follow the directions given in the MAFF/HSE "Pesticides: Code of Practice for the Safe Use of Pesticides on Farms and Holdings".

Used, cleaned, crushed or punctured containers may be burned or buried under controlled conditions on farm, or will generally be accepted at licensed disposal sites.

**14. TRANSPORT INFORMATION**

Not classified as hazardous under transport regulations.

Pack sizes: 3 kg 5 kg

**15. REGULATORY INFORMATION**

This product is approved under the "Control of Pesticides Regulations 1986" and is labelled accordingly.

R-phrases - see Section 3

S-phrases - see Section 8

The Control of Substances Hazardous to Health Regulations (COSHH) may apply to the use of this product at work.

16. **OTHER INFORMATION**

For further medical advice Doctors should contact the National Poisons Information Service.

In an emergency further information can be obtained from the National Chemical Emergency Centre 01865 407 333 (24 hours).

A backslash in the left hand margin indicates an amendment from the previous version.

The information contained herein is based on the present state of our knowledge and does not therefore guarantee certain properties. Recipients of our product must take responsibility for observing existing laws and regulations.

The product has not been tested. The statements are based on the properties of the individual components.