

SAFETY DATA SHEET: TORQ

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY:

PRODUCT NAME **TORQ** MAFF NUMBER 08370

Product Description: An organotin acaricide for professional use only.

Fargro Ltd., 
Toddington Lane,
Littlehampton,
West Sussex
BN17 7PP

Telephone: 01903 721591 (in case of emergency out of hours listen to the answer-phone message).

Fax: 01903 730737

2. COMPOSITION/INFORMATION ON INGREDIENTS:

A wettable powder containing 50% fenbutatin oxide.

Hazardous Ingredients:

| Substance | Cas. No. | g/Kg. | Symbol | R Phrases |
|------------------|------------|-------|--|----------------------|
| Fenbutatin oxide | 13356-08-6 | 500 | T+ (Very Toxic) N (Dangerous for the Environment) | R 26, R36/38, R50/53 |

3. HAZARD IDENTIFICATION:

VERY TOXIC BY INHALATION (R26)
 IRRITATING TO EYES AND SKIN (R36/38)
 VERY TOXIC TO AQUATIC ORGANISMS, MAY
 CAUSE LONG TERM ADVERSE EFFECT IN THE
 AQUATIC ENVIRONMENT (R50/53)



VERY TOXIC



DANGEROUS FOR THE ENVIRONMENT

4. FIRST AID:

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 and obtain medical attention.

GUIDE TO PHYSICIAN - general advice:

Active ingredient group: Fenbutatin oxide is an organotin compound. **Toxic effects:** This material is very toxic by inhalation.

Symptoms of accidental overexposure: 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 Fargro Ltd. (i) Treat symptomatically. (ii) If the product has been swallowed, gastric lavage with proper laryngeal control may be necessary. For ingestion of small quantities, activated charcoal as an absorbent in a dosage of 30 grams in 100ml of water may be considered. (iii) Maintenance of ventilation and oxygen therapy to be used as required. (iv) If symptomatic therapy is indicated for control of restlessness, anxiety or convulsions, then Diazepam is recommended as the drug of choice.

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.

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

Inhalation: Keep person calm, remove to fresh air. Immediate medical attention required.

Unconscious-ness: 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.

5. FIRE – FIGHTING MEASURES:

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

Possible harmful fumes in a fire:
 Carbon monoxide can be released
 Avoid breathing smoke and 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.

Continued

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: Read label before use. Avoid Dust. Avoid contact with skin and eyes. When using do not eat, drink or smoke.

Protection against fire and explosion: Avoid dust formation. Dust can form an explosive mixture with air. Keep away from sources of ignition. Prevent electrostatic discharge.

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

8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

(i) PRECAUTIONS (from product label)

Precautions marked * are a legal requirement

Operator protection:

*Engineering control of operator exposure must be used where reasonably practicable in addition to the following personal protective equipment:

*WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS), SUITABLE PROTECTIVE GLOVES, FACE PROTECTION (FACESHIELD) AND SUITABLE RESPIRATORY PROTECTIVE EQUIPMENT (filtering facepiece respirator to EN149 FFP3 or equivalent) when handling the concentrate.

*WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS), SUITABLE PROTECTIVE GLOVES, RUBBER BOOTS AND FACE PROTECTION (FACESHIELD) during application and when filling or cleaning equipment.

*However, engineering controls may replace personal protective equipment if a COSHH assessment shows that they provide an equal or higher standard of protection.

IN CASE OF ACCIDENT OR IF YOU FEEL UNWELL, seek medical advice immediately (show label where possible).

WHEN USING DO NOT EAT, DRINK OR SMOKE.

WASH CONCENTRATE from skin or eyes immediately.

DO NOT BREATHE SPRAY MIST.

WASH HANDS AND EXPOSED SKIN before eating, drinking or smoking and after work.

Environmental protection:

*DO NOT CONTAMINATE SURFACE WATERS OR DITCHES with chemical or used container.

Storage and disposal:

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS

KEEP OUT OF REACH OF CHILDREN

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

EMPTY CONTAINER COMPLETELY and dispose of safely.

DO NOT RE-USE CONTAINER for any purpose.

Keep dry and frostproof in a suitable pesticide store

(ii) PERSONAL PROTECTIVE EQUIPMENT

In tests with a range of pesticide products, protective gloves made of nitrile rubber at least 0.5mm thick and 300mm long have been found to be the most suitable. Gloves made of viton, butyl rubber, neoprene and PVC can also offer good protection. Gloves must protect the whole hand and wrist and should be thoroughly washed after each operation. Faceshields should conform to BS EN 166. Disposable filtering facepiece respirator should conform to EN 149, FFP 3 or equivalent

The wearing of other personal protective equipment may be required to supplement the items listed above. These are described in the MAFF/HSE "Pesticides: Code of Practice for the Safe Use of Pesticides on Farms and Holdings". Decontaminate all personal protective equipment after use. When this is not possible dispose of as contaminated wastes.

(iii) OCCUPATIONAL EXPOSURE LIMITS (OESs)

| Hazardous ingredients | Long term exposure limit | Short term exposure |
|-----------------------|--------------------------|------------------------|
| Tin compounds organic | 0.1 mg.m ⁻³ | 0.2 mg.m ⁻³ |

(For guidance on the application of OESs when working with pesticides refer to the MAFF/HSE "Pesticides: Code of Practice for the Safe Use of Pesticides on Farms and Holdings").

9. PHYSICAL AND CHEMICAL PROPERTIES:

| | | | |
|---------------|---------------------|----------------------------|--------------------------------|
| Form | Powder | Bulk density | 230 kg/m ³ (approx) |
| Colour | White to Grey | Solubility in water | Dispersible |
| Odour | Mild Characteristic | | |

10. STABILITY AND REACTIVITY:

Hazardous reactions: None provided product is correctly handled. **Substances to avoid:** Acids, bases and oxidising agents. **Hazardous decomposition products:** None if stored and handled correctly.

11. TOXICOLOGICAL INFORMATION:

ACUTE TOXICITY:

| | | |
|-------------------------------|-----------------------|---|
| Ingestion: | Low toxicity | LD ₅₀ oral (rat) : > 5000 mg/kg |
| Skin contact: | Irritant | LD ₅₀ dermal (rat): > 4000 mg/kg |
| Inhalation : | Very toxic | LC ₅₀ Inhalation (rat) 4hr :0.117 mg/l |
| Eye contact : | Irritant. | |
| Sensitising potential: | No sensitising effect | |

12. ECOLOGICAL INFORMATION:

| | | |
|--------------------------|--|-----------|
| Ecotoxic effects: | Rainbow trout (<i>Oncorhynchus mykiss</i>) LC ₅₀ 96h: | 0.37 mg/l |
| | Daphnia EC/LC ₅₀ (48h): | 10 mg/l |

13. DISPOSAL CONSIDERATIONS:

Leaking containers: Damaged or leaking 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". **Disposal of diluted pesticide:** Advice for the disposal or re-use of diluted pesticide is given in the MAFF/HSE "Pesticides: Code of Practice for the Safe Use of Pesticides on Farms and Holdings". Disposal should be in accordance with local or national legislation. Contact the local council authority for advice on the disposal of pesticide waste or ask an approved waste disposal contractor.

14. TRANSPORT INFORMATION:

UN Number: 2786 **Packing Group:** I

ROAD/RAIL: ADR/RID Class: 6.1 Organotin pesticide, solid, toxic (contains fenbutatin oxide 50%)

SEA: IMDG Class: 6.1 Organotin pesticide, solid, toxic (contains fenbutatin oxide 50%) Marine pollutant

AIR : ICAO/IATA Class: 6.1 Organotin pesticide, solid, toxic (contains fenbutatin oxide 50%) Marine pollutant

Pack size: 500g (17 per outer).

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

WEAR SUITABLE PROTECTIVE CLOTHING AND GLOVES(S36/37)

KEEP OUT OF REACH OF CHILDREN (S2)

KEEP AWAY FROM FOOD, DRINK AND

ANIMAL FEEDING STUFFS (S13)

WHEN USING DO NOT EAT, DRINK OR

SMOKE (S20)

AFTER CONTACT WITH SKIN, WASH IMMEDIATELY WITH PLENTY OF WATER (S28)

THIS MATERIAL AND ITS CONTAINER MUST BE DISPOSED OF IN A SAFE WAY (S35)

IN CASE OF ACCIDENT OR IF YOU FEEL UNWELL, seek medical advice immediately

(show the label where possible) (S45).

USE APPROPRIATE CONTAINMENT TO AVOID ENVIRONMENTAL CONTAMINATION(S57)

The (COSHH) Control of Substances Hazardous to Health Regulations may apply to the use of this product. This product is subject to The Carriage of Dangerous Goods by Road Regulations, The Carriage of Dangerous Goods by Rail Regulations and The Carriage of Dangerous Goods (Classification, Packaging and Labelling) and Use of Transportable Pressure Receptacles Regulations and amendments (United Kingdom).

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 407333 (24 hours).

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 data in this sheet is based on manufacturer's data and other available information.

The information in this sheet is not a specification it does not guarantee specific properties.

The information is intended to provide general guidance as to health and safety based upon knowledge of the handling, storage and use of the product. No liability is accepted for any insufficiency or omission in any case whatsoever.



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