

# MATERIAL SAFETY DATA SHEET

Erintrade CC

Date of Issue : August 2005

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## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name :** TORNADO

**Chemical Name :** 3-[3-(1,1'-biphenyl)-4-yl]-1,2,3,4 – TETRAHYDRO-1-NAPHTHYLENYL]4-hydroxy-2H-1-benzopyran-2-one

**Company Name :** Erintrade CC

**Company Address :** PO Box 2383, Pietermaritzburg, 3200

**Company Telephone No. :** 033-3869384                      **Fax No. :** 033-3861634

**Emergency Telephone No. :** 0824421134

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## 2. COMPOSITION AND INFORMATION ON INGREDIENTS

**Active Ingredient :** DIFENACOUM 0.25% in propylene glycol  
rodenticide, coumarinic anticoagulant

### Formulation Composition

| Contents | CAS No.    | % by weight | Symbols & Phrases |
|----------|------------|-------------|-------------------|
|          | 56073-07-5 |             |                   |

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## 3. HAZARDS IDENTIFICATION

Since the product contained is a good anticoagulant, hazard is the possibility of internal haemorrhage after swallowing or chronical contact through the skin or absorption through mucous membrane.

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## 4. FIRST AID MEASURES

First Aid: take off contaminated clothing  
Skin: wash off with and soap immediately  
Eyes: rinse with plenty of water immediately  
Suitable antidote: Vitamin K  
In all case seek medical advice.

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## 5. FIRE-FIGHTING MEASURES

Extinguishing media suitable: foam, Halon.

Keep runoff water to a minimum.

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## 6. MEASURES FOR SPILL AND LEAKAGE

After spill/leakage: keep away from drains, waters and soil. Take up mechanically or with an absorbent material.

Suitable absorbent: sand, universal absorbent, absorbent for liquids.

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## 7. HANDLING AND STORAGE

Technical protective measures:

Storage: keep container tightly closed and store in a cool, well-ventilated place.

Stow away from foodstuffs.

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## 8. CONTROL FOR INDIVIDUAL EXPOSITION/PROTECTION

For control exposition see also section 15.

Personal protective equipment:

Respiratory equipment: required only when aerosols occur.

Eye protection: protective goggles indispensable.

Hand protection: rubber gloves.

Industrial hygiene: do not wear contaminated clothing. After working change clothing and wash oneself with care.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES OF PRODUCT

|                             |                 |
|-----------------------------|-----------------|
| <b>Colour</b>               | Dark Blue       |
| <b>Form</b>                 | Small Blocks    |
| <b>Odour</b>                | Non significant |
| <b>Flash Point</b>          | Not applicable  |
| <b>Density</b>              | 1050g/l about   |
| <b>Solubility</b>           | Very soluble    |
| <b>pH</b>                   | 9.0 about       |
| <b>Ignition temperature</b> |                 |
| <b>Boiling Point</b>        | 190°C           |
| <b>Melting point</b>        |                 |
| <b>Explosion limits</b>     |                 |

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## 10. STABILITY AND REACTIVITY

Thermal disposition: typical for propylene glycol.  
Hazardous decomposition products: propionaldehyde, pyruvic and acetic acid.  
Hazardous reactions: no dangerous reactions known.

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## 11. TOXICOLOGICAL INFORMATION

Acute toxicity:  
LD50 for active principle (oral, rat): 1.3mg/kg  
LD50 for the present preparation: 520mg/kg  
Possibility of internal haemorrhage antidote: Vitamin K  
Seek medical advice.

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## 12. ECOLOGICAL INFORMATION

Take away from drains, waters and soil.  
Limited toxic action on fishes, plankton and fixed abode organisms.

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## 13. DISPOSAL CONSIDERATIONS

Take up mechanically or with an absorbent material.  
With respect to local regulations, e.g. dispose of to suitable waste incineration.

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## 14. TRANSPORT INFORMATION

Not flammable, not corrosive, not explosive, not dangerous.

|                  |           |                |
|------------------|-----------|----------------|
| Carriage by road | RID/ADR   | NOT RESTRICTED |
| Air shipment     | IATA/ICAO | NOT RESTRICTED |
| Sea shipment     | IMO/IMDG  | NOT RESTRICTED |

Coumarin derivative pesticide liquid toxic

UN nr. 3027

Note that a minimum of 0.35% active is requested for inclusion in the range of dangerous goods.

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## 15. REGULATORY INFORMATION

Label: subject to labelling provisions on dangerous substances and the corresponding EC directive (67/548/EEC).

Hazardous symbol/indication: Xn HARMFUL

R-phrases 21/22 - 48

S-phrases 36/37 - 44

Follow at any rate the local valid regulations.

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## 16. OTHER INFORMATION

Observe on use general safety rule for hygiene working

Particular advices for use: it is responsibility of each operator to act in work environmet with safety operative conditions.

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The information presented is not necessarily exhaustive but is regarded as representative. These data are presented in good faith and are believed to be correct. No representation as to the completeness or accuracy of these data is made. No responsibility for damages of any nature whatsoever resulting from the use of or reliance upon this information will be accepted. In the event of any uncertainty, consult the supplier before use.

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