

# SAFETY DATA SHEET

Page 1 of 4

## Farmway Rat & Mouse Killer Difenacoum Cut Wheat (HSE No.: 8735)

Revision 1  
Revision date 5-Sep-2008

### 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

**Product name** Farmway Rat & Mouse Killer Difenacoum Cut Wheat  
**Company** Farmway Ltd  
Cock Lane  
Piercebridge  
County Durham  
DL2 3TJ

**Telephone** Tel 0845 630 7995

**Product code** 961

**Intended use** Ready for use rodenticide containing 50 ppm difenacoum.

### 2 HAZARDS IDENTIFICATION.

**Main hazards** The preparation is non-dangerous in accordance with Directive 1999/45/EC. Unlikely to cause harmful effects under normal conditions of handling and use. Harmful to Wildlife. Wild mammals and birds may be at greater risk if the product is not used in accordance with its label.

### 3 . COMPOSITION / INFORMATION ON INGREDIENTS.

#### Hazardous ingredients

	Conc.	CAS	EINECS	Symbols/Risk phrases
Difenacoum	0.005%	56073-07-5	259-978-4	T+; R28 T; R48/25 N; R50/53
propane-1,2-diol	1-10%	57-55-6	200-338-0	
Chopped Wheat	90-100%			

# Farmway Rat & Mouse Killer Difenacoum Cut Wheat

Revision 1  
Revision date 5-Sep-2008

## 4. FIRST AID MEASURES

<b>Skin contact</b>	May cause irritation to skin. Remove contaminated clothing. Wash off immediately with plenty of soap and water. If irritation persists obtain medical attention. Contaminated clothing should be washed and dried before re-use.
<b>Eye contact</b>	May cause irritation to eyes. Seek medical attention if irritation or symptoms persist. Wash with water.
<b>Inhalation</b>	Unlikely to present an inhalation hazard unless excessive dust is present. Move the exposed person to fresh air. Obtain medical advice immediately.
<b>Ingestion</b>	If swallowed, seek medical advice immediately and show this container or label.
<b>General information</b>	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). ADVICE FOR DOCTORS: Difenacoum is an indirect anti-coagulant. Phytomenadione, Vitamin K1, is antidotal. Determine prothrombin time not less than 18 hours after consumption. If elevated, administer Vitamin K1 until prothrombin time normalises. Continue determination of prothrombin time for two weeks after withdrawal of antidote and resume treatment if elevation occurs in that time.

## 5. FIRE FIGHTING MEASURES

<b>Extinguishing media</b>	Keep fire exposed containers cool by spraying with water if exposed to fire. Carbon dioxide (CO <sub>2</sub> ), alcohol resistant foam. dry chemical, water spray mist or foam. Do not use water jets.
<b>Protective equipment</b>	In the event of fire, wear self-contained breathing apparatus, suitable gloves and boots.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions</b>	Wear suitable protective clothing, gloves and eye/face protection. See section 8.
<b>Environmental precautions</b>	Prevent further leakage or spillage if safe to do so.
<b>Clean up methods</b>	Clean up promptly by sweeping or vacuum. Transfer to a suitable labelled container. Subsequently, wash the contaminated area with water, taking care to prevent the washings entering sewers or drains.

## 7. HANDLING AND STORAGE

<b>Handling</b>	Avoid contact with eyes and skin. Avoid formation of dust. Do not smoke eat or drink while handling this product. Always use good personal hygiene procedures when handling chemicals. Wash hands and face before eating, drinking or smoking. Read the label before use.
<b>Storage</b>	Keep in a cool, dry, well ventilated area. Keep out of the reach of children. Keep away from food and animal feedstuffs. Keep away from oxidising agents.
<b>Specific use</b>	ready for use rodenticide containing 50 ppm difenacoum..

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure limits

propane-1,2-diol	WEL 8-hr limit ppm: -	WEL 8-hr limit mg/m3: 10
(Propane-1,2-diol particulates)	WEL 15 min limit ppm: -	WEL 15 min limit mg/m3: -
propane-1,2-diol	WEL 8-hr limit ppm: 150	WEL 8-hr limit mg/m3: 474
(Propane-1,2-diol total vapour and particulates)	WEL 15 min limit ppm: -	WEL 15 min limit mg/m3: -

<b>Respiratory protection</b>	Unlikely to present an inhalation hazard unless excessive dust is present. If levels approach the WEL, then suitable approved respiratory protection should be worn.
<b>Hand protection</b>	Rubber gloves.
<b>Eye protection</b>	Tight fitting goggles if exposed to excessive dust.
<b>Protective equipment</b>	Impervious clothing, boots.

# Farmway Rat & Mouse Killer Difenacoum Cut Wheat

Revision 1  
Revision date 5-Sep-2008

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Description</b>	Solid.
<b>Colour</b>	Blue.
<b>Odour</b>	Slight.

## 10. STABILITY AND REACTIVITY

<b>Stability</b>	Stable under normal conditions.
<b>Conditions to avoid</b>	Heat, sparks and open flames.
<b>Materials to avoid</b>	Oxidising agents.
<b>Hazardous decomposition</b>	Combustion or thermal decomposition will produce toxic and irritant fumes.

### Products

## 11. TOXICOLOGICAL INFORMATION

### Toxicological information

Difenacoum	Oral Rat LD50 = 1.8 mg/kg Dermal Rabbit LD50 = 63mg/kg
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<b>Acute toxicity</b>	ORL RAT LD50 approx. 30 g/kg (calculated).
<b>Corrosivity</b>	No irritation expected.
<b>Sensitization</b>	Grain dust is a respiratory sensitiser causing asthma. As the product is a low dust wheat grain, it is unlikely to create sufficient dust to cause any problems.
<b>Mutagenic effects</b>	No evidence to suggest anticoagulant rodenticides are mutagenic.
<b>Carcinogenic effects</b>	No evidence to suggest anticoagulant rodenticides are carcinogenic.

## 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	As the product contains 50ppm difenacoum , unlikely to be hazardous to aquatic life. Harmful to wildlife. Read All Precautions before use.
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Difenacoum	Daphnia LC50/48h = 0.91 mg/l Rainbow trout LC50/96h = 0.33 mg/l
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<b>Further information</b>	Wild mammals and birds may be at greater risk if the product is not used in accordance with its label. If soil contamination occurs, the product will not be taken up by plants. This product is of low water solubility and has very low mobility in soil; it presents a negligible risk to groundwater. Low - level residues of rodenticides have been detected in a wide range of wildlife species. Proper use of products in accordance with the label, will help to minimise the exposure of wildlife to rodenticides.
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## 13. DISPOSAL CONSIDERATIONS

<b>General information</b>	Dispose of in compliance with all local and national regulations.
<b>Disposal of packaging</b>	Empty containers can be sent to landfill after cleaning, if in compliance with local and national regulations.

## 14. TRANSPORT INFORMATION

<b>Further information</b>	Not classified as dangerous for transport.
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# Farmway Rat & Mouse Killer Difenacoum Cut Wheat

Revision 1  
Revision date 5-Sep-2008

## 15. REGULATORY INFORMATION

<b>Labelling</b>	Covered by the Control of Pesticides Regulations (1986). It has been labelled in accordance with those regulations.
<b>Safety phrases</b>	P14 - Safety data sheet available for professional user on request.
<b>Statutory Conditions relating to use</b>	The (COSHH) Control of Substances Hazardous to Health Regulations 2002 may apply to the use of this product at work. Avoid all contact by mouth. Prevent access to bait by children, birds and non-target animals, particularly dogs, cats, pigs and poultry. Do not place bait where food, feed, or water could become contaminated (except when used in sewers). Search for and remove rodent bodies at frequent intervals during treatment, ideally at each bait inspection, (unless used in sewers). Collect and dispose of the remains of bait and any remaining rodent bodies after treatment (unless used in sewers). You must ensure that you comply with legislation regarding the correct disposal of waste. For further guidance contact the Environment Agency or your local Scottish Environmental Protection Agency ( SEPA ) office. This product contains substances which are known to be hazardous to the environment. Do not contaminate waterbodies or watercourses with chemicals or the used container. Harmful to wildlife. READ ALL PRECAUTIONS BEFORE USE.

## 16. OTHER INFORMATION

<b>Text of risk phrases in Section 3</b>	R28 - Very toxic if swallowed. R48/25 - Toxic: danger of serious damage to health by prolonged exposure if swallowed. R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
<b>Restricted use</b>	ready for use rodenticide containing 50 ppm difenacoum.
<b>Data sources</b>	Raw material suppliers Safety Data Sheets. CHIP 2002 EH40