



SAFETY DATA SHEET

Conforms to Regulation EC 1907/2006 (REACH) as amended by
Regulation (EU) 2015/830

STV222 STV223– THE BIG CHEESE MOUSE & RAT KILLER 2

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

The Big Cheese Mouse & Rat Killer 2

1.2. Relevant identified uses of the substance or mixture and uses advised against

For use as a rodenticide

1.3. Details of the supplier of the safety data sheet

STV International Ltd
Forge House
Little Cressingham
Watton
Thetford
Norfolk
IP25 6ND

+ 44 (0) 1953 881 580 (Office hours only)
info@stvpestcontrol.com

1.4. Emergency telephone number

For product information, contact STV International Ltd on the telephone number stated in section 1.3.

In the event of a medical enquiry involving this product, please contact your doctor or local hospital accident and emergency department.

For urgent medical advice, call the NHS Helpline on 111 (England, Scotland & Wales).
For medical emergencies, dial 999 (UK & Ireland) or 112 from any EU country.

Environmental agency emergency phone number 0800 807060.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification in accordance with Regulation (EC) No 1272/2008
STOT RE 2; H373

2.2. Label elements

Hazard Pictogram

GHS08



Signal Word

Warning

Hazard Statements

H373 May cause damage to organs (Blood) through prolonged or repeated exposure.

Precautionary Statements

P102 Keep out of reach of children.

P103 Read label before use.

P220 Keep / Store away from foodstuffs, beverages and animal feeding stuffs.

P262 Do not get on skin.

P270 Do not eat, drink or smoke when using this product.

P273 Avoid release to the environment.

P280 Wear protective gloves [Professional users].

P301+ P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P404 Store in a closed container.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local regulations.

Other labelling required under Regulation (EC) 1272/2008

EUH401 To avoid risks to human health and the environment, comply with the instructions for use.

2.3. Other hazards

This mixture does not meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation (EC) No 1907/2006 (REACH).

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical Name	CAS/EC No	Classification in accordance with Regulation (EC) 1272/2008	Conc [%]
2,2'-Imino Diethanol	111-42-2 203-868-0	Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 STOT RE 2 - H373 Aquatic Chronic 3 - H412	<0.1
DIFENACOUM (EU)	56073-07-5 259-978-4	Acute Tox. 1 - H300 Acute Tox. 1 - H310 Acute Tox. 1 - H330 Repr. 1B - H360D STOT RE 1 - H372	0.0025

		Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410 M factor (Acute) = 10 M factor (Chronic) = 10	
Denatonium Benzoate	3734-33-6 223-095-2	Acute Tox. 4 - H302 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Aquatic Chronic 3 - H412	0.001

Full text of hazard statements is displayed in section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Advice for Medical Doctors: Difenacoum is an indirect anti-coagulant. Phytomenadione, Vitamin K, is antidotal. Determin 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.

Inhalation

Due to the physical nature of this product, exposure by this route is unlikely. IF INHALED: Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if symptoms are severe or persist.

Skin

May cause irritation to susceptible persons. If skin irritation occurs wash with soap and water. Immediately remove contaminated clothing. Get medical attention if symptoms are severe or persist.

Eyes

May cause irritation to susceptible persons. Rinse with plenty of water and seek medical advice.

Ingestion

Rinse mouth thoroughly with water. Do not induce vomiting. Get medical attention immediately.

4.2. Most important symptoms and effects, both acute and delayed

General - The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation - Unlikely to present an inhalation hazard. If symptoms develop move the exposed person to fresh air. Immediately obtain medical advice.

Ingestion - Rinse mouth. Do NOT induce vomiting. Call a doctor immediately.

Skin contact - May cause irritation.

Eye contact - May be slightly irritating to eyes.

4.3. Indication of any immediate medical attention and special treatment needed

No specific advice. Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire extinguishing media suitable for the surrounding fire.

Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.

5.3. Advice for firefighters

Avoid breathing fire gases or vapours. Evacuate area. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water after the fire is out.

Water positive-pressure self-contained breathing apparatus (SCBA) and appropriate clothing. Firefighters clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions

Avoid discharge into the aquatic environment.

6.3. Methods and material for containment and cleaning up

Reuse or recycle products wherever possible. Collect spillages with a shovel and broom, or similar and reuse, if possible. Collect and place in suitable waste disposal containers and seal securely. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. Dispose of contents/container in accordance with national regulations.

6.4. Reference to other sections

See section 1 for emergency contact information.

See section 8 for information on appropriate personal protective equipment.

See section 13 for additional waste treatment information

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with skin and eyes. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site. Read label before use.

7.2. Conditions for safe storage, including any incompatibilities

Store in a cool, dry location. Store only in the original receptacle. Keep containers tightly closed in a well-ventilated place. Take suitable precautions when opening sealed containers, as pressure can build up during storage.

Keep away from sources of heat. Keep out of the reach of children. Store away from foodstuffs. Keep away from oxidizing agents.

7.3. Specific end use(s)

For use as a rodenticide

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

Propane-1,2-diol (Propane-1,2-diol Particulates)	WEL 8-Hr limit mg/M3: 10
Propane-1,2-diol (Propane-1,2-diol total vapour and particulates)	WEL 8-Hr limit ppm: 150 WEL 8Hr limit mg/M3: 474
Flour	WEL 8-Hr limit mg/M3: 10 WEL 15 min limit mg/M3: 30

8.2. Exposure controls

Engineering controls

Provide adequate ventilation.

Personal protection

Body protection must be chosen depending on activity and possible exposure, for example apron, protective boots, chemical-protection suit.

Handle in accordance with good hygiene and safety practice. Wearing of closed work clothing is recommended. Avoid contact with the skin, eyes and clothing. Store work clothing separately.

Eye/face protection

No specific eye protection required during normal use. Avoid contact with eyes.

Hand protection

Suitable chemical resistant gloves are recommended for professional users.

Respiratory protection

No specific recommendations. Provide adequate ventilation.

Environmental exposure controls

Not regarded as dangerous for the environment. Keep container tightly sealed when not in use. Avoid release to the environment.

Hygiene measures

Wash hands thoroughly after handling. Wash at the end of each work shift and before eating, smoking and using the toilet. Do not eat, drink or smoke when using this product.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance: Red paste

Odour: Characteristic

Odour threshold: Information not available

pH: Information not available

Melting point/freezing point: Information not available

Initial boiling point and boiling range: Information not available

Flash point: Information not available

Evaporation rate: Information not available

Flammability: Combustible

Upper/lower flammability or explosive limits: Information not available

Vapour pressure: Information not available

Vapour density: Information not available

Relative density: Information not available

Solubility(ies): Information not available
Partition coefficient: n-octanol/water: Information not available
Auto-ignition temperature: Information not available
Decomposition temperature: Information not available
Viscosity: Information not available
Explosive properties: Not considered to be explosive
Oxidising properties: Not oxidising

9.2. Other information

None

SECTION 10: Stability and reactivity

10.1. Reactivity

There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stable at normal ambient temperatures and when used as recommended.

Stable under the prescribed storage conditions.

10.3. Possibility of hazardous reactions

Keep away from: Oxidising agents.

10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials

No specific material or group of materials is likely to react with the product to produce a hazardous situation.

10.6. Hazardous decomposition products

Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicity of product

Acute toxicity (oral)	LD50 >2000 mg/kg
Acute toxicity (dermal)	LD50 >2000 mg/kg
Acute toxicity (inhalation)	LC50 >5mg/l (Dust)
Skin corrosion/irritation:	Based on available data the classification criteria are not met.
Serious eye damage/irritation:	Based on available data the classification criteria are not met.
Respiratory or skin sensitisation:	Based on available data the classification criteria are not met.
Germ cell mutagenicity:	Based on available data the classification criteria are not met.
Carcinogenicity:	Based on available data the classification criteria are not met.
Reproductive toxicity:	Contains an ingredient listed as: Reprotoxic
STOT-single exposure:	Not classified as a specific target organ toxicant after a single exposure.
STOT-repeated exposure:	STOT RE 2 - H373 May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard:	Not relevant. Solid.

General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	Unlikely to be hazardous in normal use.
Ingestion	See section 4 - First Aid
Skin contact	Prolonged contact may cause dryness of the skin.
Eye contact	No specific symptoms known.
Route of entry	Ingestion Inhalation Skin and/or eye contact

Toxicity of ingredients

Denatonium Benzoate

Oral (Rat) LD50 = 584 mg/kg

Difenacoum

Acute Oral ≤ 5 mg/kg Acute Dermal ≤ 50 mg/kg

Acute Inhalation ≤ 0.05 mg/kg (Commission Regulation 2016/1179)

SECTION 12: Ecological information

12.1. Toxicity

Toxicity of product

Not regarded as dangerous for the environment.

Toxicity of ingredients

Difenacoum

Daphnia EC50/48Hr = 0.91 mg/l

Rainbow trout LC50/96Hr = 0.042 mg/l

12.2. Persistence and degradability

The degradability of the product is not known.

12.3. Bioaccumulative potential

No data available on bioaccumulation.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No results available.

12.6. Other adverse effects

Toxic to mammals, including domesticated animals and birds if ingested. Exposure of non-target animals should be prevented.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods

This material and its container must be disposed of in a safe way.

Dispose of in accordance with applicable regional, national, and local laws and regulations. Dispose of Contaminated packaging as unused product unless fully cleaned.

Waste disposal key number from EWC is 20 01 19 (Pesticides)

SECTION 14: Transport information

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Not applicable.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Not considered hazardous to the environment.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

This substance is classified and labelled in accordance with Regulation (EC) 1272/2008 and Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

15.2. Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

Abbreviations and acronyms

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.
RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.
IATA: International Air Transport Association.
ICAO-TI: Technical Instructions for the Safe Transport of Dangerous Goods by Air.
IMDG: International Maritime Dangerous Goods.
CAS: Chemical Abstracts Service.
ATE: Acute Toxicity Estimate.
LC₅₀: Lethal Concentration to 50 % of a test population.
LD₅₀: Lethal Dose to 50% of a test population (Median Lethal Dose).
EC₅₀: 50% of maximal Effective Concentration.
PBT: Persistent, Bioaccumulative and Toxic substance.
vPvB: Very Persistent and Very Bioaccumulative.
STOT RE = Specific target organ toxicity-repeated exposure

Full text of hazard statements listed in Section 3

- H300 Fatal if swallowed.
- H302 Harmful if swallowed.
- H310 Fatal in contact with skin.
- H315 Causes skin irritation.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H330 Fatal if inhaled.
- H332 Harmful if inhaled.
- H360D May damage the unborn child.
- H372 Causes damage to organs (Blood) through prolonged or repeated exposure.
- H373 May cause damage to organs (Blood) through prolonged or repeated exposure.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.
- H412 Harmful to aquatic life with long lasting effects.

Comments

Use only in accordance with label instructions.

The information contained in this data sheet does not constitute the user's own assessment of workplace risks as required by legislation. The information in this data sheet should be considered when undertaking a risk assessment under the COSHH regulations. The information contained within this data sheet is strictly for general guidance only and should not be relied upon over and above this. This data sheet is intended to provide general health and safety guidance on the storage and transportation of the preparation. The information in this data sheet is accurate at the date of publication and will be updated as and when appropriate. No liability will be accepted by STV International Ltd for any loss, injury or damage arising from any failure to comply with the information and advice contained within this data sheet and/or failure to comply with the manufacturer's guidelines, product label data and any associated technical usage literature.