



Member of the PLENNEGY GROUP

Kombat Rats and Mice Blocks

Version: 1.0

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Language: EN

According to the Globally Harmonised System of Classification and Labelling of Chemicals, version 9

Safety Data Sheet

section

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

1.1 Product identifier

Trade name/designation : Kombat Rats and Mice Blocks.

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

Relevant identified uses : Rodenticide (Wax Blocks).
Uses advised against : No data available.

1.3 Details of the supplier of the safety data sheet

Supplier : **Name:** Kombat (Pty) Ltd
Street: 39 Dr Gordon Street
Postal code/City: Greytown, 3250
Country: South Africa.
Telephone: +27 (0) 33 417 1906/7
Email: admin@kombat.co.za

1.4 Emergency Telephone Number

ZA

Emergency Tel: +27 82 446 8946
POISON CENTER: +27 861 555 777

section 2 Hazards identification

2.1 Classification of the substance or mixture

Hazards identification:

H373 STOT RE 2 May cause damage to organs (blood) through prolonged or repeated exposure

2.2 Label elements

Labelling

Hazard pictograms



WARNING

Signal word

Precautionary Statements – Prevention

P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P201 Obtain special instructions before use.
 P264 Wash hands thoroughly after handling.
 P270 Do not eat, drink or smoke when using this product.
 P273 Avoid release to the environment.
 P202 Do not handle until all safety precautions have been read and understood

Precautionary Statements – Response

P321 Specific treatment (see first aid section and read label).
 P308+313 IF exposed or concerned: Get medical advice/attention.
 P301+310 IF SWALLOWED: Immediately call a POISON CENTER!
 P312 Call a POISON CENTER/doctor if you feel unwell.
 P330 Rinse mouth.
 P302+P352 IF ON SKIN: Wash with plenty of water/ and seek medical attention.

Precautionary Statements – Storage

P405 Store locked up.

Precautionary Statements – Disposal

P501 Dispose of contents/container to local and national regulations. Never reuse container.

2.3 Other hazards

N/A

3 Composition/information on ingredients

3.1 Mixtures

Contains

4-hydroxy-3-(3-(4'-bromo-4-biphenyl)-1,2,3,4-tetrahydro-1-naphthyl)coumarin - Brodifacoum (Anti-coagulant)

Substance	Concentration(%)	Specific Concentration Limits	Classification
4-hydroxy-3-(3-(4'-bromo-4-biphenyl)-1,2,3,4-tetrahydro-1-naphthyl)coumarin (Brodifacoum)			
CAS N° 56073-10-0 EC N° 259-980-5 IDX N° 607-172-00-1	C≤ 0,005% in rat bait block	STOT RE 2; ≥ 0.005% STOT RE 1; ≥ 0,05%	Acute Tox. 1 (Inhalation); Acute Tox. 1 (oral); 1 Tox 1 (dermal); STOT RE (Blood) ; Aquatic Acute 1 and Aquatic Chronic 1; M-factor =10 Acute and M-Factor 10=Chronic H310, H330, H300, H372, H400, H410 (100% concentration)

3.2 Remark

Full text of H- phrases: see section 16.

4 First aid measures

4.1 Description of first aid measures

General information:

When in doubt or if symptoms are observed, get medical advice.

Following inhalation:

No special measures are necessary.

Provide fresh air.

Following skin contact:

Wash with soap and water.

Following eye contact:

In case of eye irritation consult an ophthalmologist.



Rinse immediately carefully and thoroughly with eye-bath or water.

Following ingestion:

IF SWALLOWED: Rinse mouth.

Do NOT induce vomiting. IF SWALLOWED: Immediately call a POISON CENTER!

Self-protection of the first aider:

No special measures are necessary.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

4.3 Indication of any immediate medical attention and special treatment needed

Notes for the doctor:

Treat symptomatically.

section 5 Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media:

Foam.

Extinguishing powder.

Carbon dioxide (CO₂).

Sand.

Unsuitable extinguishing media:

Strong water jet.

5.2 Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

5.3 Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

5.4 Additional information

Do not inhale vapors and fumes.

Co-ordinate fire-fighting measures to the fire surroundings.

Move undamaged containers from immediate hazard area if it can be done safely.

Use caution when applying carbon dioxide in confined spaces. carbon dioxide can displace oxygen. Use water spray jet to protect personnel and to cool endangered containers.

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

section 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protection equipment.

6.2 Environmental precautions

Ensure that waste is collected and contained.

6.3 Methods and material for containment and cleaning up

Treat the recovered material as prescribed in the section on waste disposal.
Collect in closed and suitable containers for disposal.

6.4 Reference to other sections

Safe handling: see section 7.
Disposal: see section 13.
Personal protection equipment: see section 8.

6.5 Additional information

N/A.

section 7 Handling and Storage

7.1 Precautions for safe handling

PROTECTIVE MEASURES:

No special measures are necessary.

Advices on general occupational hygiene:

Wash hands before breaks and after work.
Remove contaminated, saturated clothing.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry, cool, and well-ventilated place.
Keep container in upright position in order to prevent leakage.

Advice on joint storage:

Keep away from food, drink and animal feedingstuffs.

7.3 Specific end uses

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

section 8 Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits:

Not available

Biological limit values:

Not available

Exposure limits at intended use:

Not available

Remark:

Not available

8.2 Exposure controls

Appropriate engineering controls:

See section 7. No additional measures necessary.

Personal protection equipment:



Eye/face protection

:Suitable eye protection:

Wear eye protection equipment.

Skin protection

:Hand protection:

Suitable gloves type:

Wear protective gloves.

Body protection:

Suitable protective clothing:

No special measures are necessary.

Lab coat.

Respiratory protection

: Suitable respiratory protection apparatus:

No data available.

Environmental exposure controls:

No special measures are necessary.

section 9 Physical and chemical Properties

9.1 Information on basic physical and chemical properties

Physical state	:	Round wax block with central hole of 10g each
Color	:	Blue with specks
Odour	:	Vanilla like odour
Odor threshold	:	Not available
pH	:	Not available
Melting point	:	60°C
Boiling point	:	228-230°C (Brodifacoum)
Flash point	:	Not available
Evaporation rate	:	Not available
Flammability	:	Not available
Lower limit of flammability or explosive	:	Not available
Vapour pressure	:	Negligible @20°C
Vapour density	:	Not applicable
Specific Gravity	:	1.15
Water solubility	:	Insoluble
Partition coefficient, n-octanol/ water (log Pow)	:	Not available
Auto-inflammability temperature	:	Not available
Decomposition temperature	:	Not available
Viscosity	:	Not available
Explosive properties	:	Not available
Oxidising properties	:	Not available
Solubility in other Solvents	:	Not available
Log Kow	:	Not available

section 10 Stability and Reactivity

10.1 Reactivity



No data available.

10.2 Chemical stability

The product is stable when stored at normal ambient temperatures.

10.3 Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4 Conditions to avoid

No data available.

10.5 Incompatible materials

No data available.

10.6 Hazardous decomposition products

Does not decompose when used for intended uses.

10.7 Additional information

Not available

section 11 Toxicological information

11.1 Acute oral toxicity

Mixture:

The product is not classified.

11.2 Acute dermal toxicity

Mixture:

The product is not classified.

11.3 Acute inhalation toxicity

Mixture:

The product is not classified.

11.4 Skin corrosion/irritation

Mixture:

The product is not classified.

11.5 Serious eye damage/irritation

Mixture:

The product is not classified.



11.6 Skin sensitisation

Mixture:

The product is not classified.

11.7 Specific target organ toxicity (repeated exposure)

Mixture:

The product is classified as STOT RE 2 - H373 May cause damage to organs (blood) through prolonged or repeated exposure.

11.8 Specific target organ toxicity (single exposure)

Mixture:

The product is not classified.

11.9 Carcinogenicity

Mixture:

The product is not classified.

11.10 Reproductive toxicity

Mixture:

The product is not classified .

11.11 Germ cell mutagenicity

Mixture:

The product is not classified.

11.12 Sensitization to the respiratory tract

Mixture:

The product is not classified.

11.13 Additional information

Not available

section 12 Ecological information

12.1 Toxicity

Mixture:

The criteria for aquatic toxicity are not met.

12.2 Persistence and degradability

Mixture:

The product has not been tested.

12.3 Bioaccumulative potential

Mixture:

The product has not been tested.

12.4 Mobility in soil



Mixture:

The product has not been tested.

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Other adverse effects

No data available.

12.7 Additional ecotoxicological information

Not available

section 13 Disposal considerations

13.1 Waste treatment methods

Product/Packaging disposal:

Waste treatment options:

Appropriate disposal/Product:

Dispose of waste according to applicable legislation.

Appropriate disposal/Package:

Non-contaminated packages must be recycled or disposed of.

Contaminated packing must be completely emptied and can be reused after proper cleaning. Packing which cannot be properly cleaned must be disposed of.

Dispose of waste according to applicable legislation.

Remark:

For recycling, contact manufacturer.

section 14 Transport information

14.1 UN number

The product is not classified as dangerous goods under transport regulations.

14.2 UN proper shipping name

The product is not classified as dangerous goods under transport regulations.

14.3 Transport hazard class(es)

N/A

14.4 Packing group

N/A

14.5 Environmental hazards

N/A

14.6 Special precautions for user



See GHS classification and hazard and Precautionary statements.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

N/A.

section 15 Regulatory information

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

This SDS has been established in accordance with GHS regulation.

15.2 Chemical Safety Assessment

Not available

section 16 Other information

16.1 Indication of changes

Not applicable (first edition of the MSDS).

16.2 Abbreviations and acronyms

CAS: Chemical Abstract Service Number.

IATA: International Air Transport Association.

IMDG: International Maritime Dangerous Goods Code.

DPD Dangerous Preparation Directive.

UN number: United Nations number.

No EC: European Commission Number.

GHS: Globally Harmonised System of Classification and Labeling of Chemicals.

16.3 Key literature references and sources for data

ECHA, UN Purple Book Revision 9.

16.4 The classification of the mixture is in accordance with the evaluation method described in HazCom 2012

The classification of the mixture is in accordance with the evaluation method described in the GHS.

16.5 The classification of the mixture is in accordance with the evaluation method described in the GHS

H373 STOT RE 2

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

16.6 Training advice

Refer to Sections 4, 5, 6, 7 and 8 of this safety data sheet.



Kombat Rats and Mice Blocks

16.7 Additional information

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The information given in this Safety Data Sheet is based on our present knowledge and on GHS Guidelines Rev 9. and national regulations. This Safety Data Sheet describes safety requirements relative to identified uses, it doesn't guarantee all the product properties particularly in the case of non identified uses. The product mustn't be used for any uses other than those identified under heading 1. Since the user's working conditions are not known by us, it is the responsibility of the user to take all necessary measures to comply with legal requirements for specific uses and avoid negative health effects.

This product contains a human taste deterrent (denatonium benzoate) and blue warning dye for safety reasons. It is included at a concentration that is repulsive to human taste but is not detected by rats and mice. The data contained herein is based on current knowledge and information on the date of publication and is given in good faith but without warranty. No responsibility is accepted for errors or omissions or the consequences thereof.