



Noble Earth Technologies

Rodex B

MATERIAL SAFETY DATA SHEET

COMPANY DETAILS

Company Name & Address: Noble Earth Technologies PO BOX 1733 Double bay 1360 Sydney NSW

P: 02 9316 8800

F: 02 9316 8600

E: info@nobleearth.com.au Contact Name: Harry Pearsall

Hazardous according to the criteria of NOHSC Australia.

I- IDENTIFICATION

Product Name: Rodex B

Other Names: None.

Product Code: None.

UN No: None allocated Hazchem Code: None allocated

Dangerous Goods Class: None allocated

Sub Risk Class: None allocated

Packaging Group: None allocated

Poison Schedule: S6

Chemical Family: Blend of ingredients. Active ingredient is an anticoagulant coumarin derivative.

Uses: Controls rats and mice when used according to instructions on the label.

Physical Appearance & Properties

Appearance & Odour: Blue blocks. Mild odour.

Melting/softening point: No specific data. Solid at normal temperatures.

Boiling point and vapour pressure: Decomposes before boiling at 100kPa.

Volatile materials: No specific data. Expected to be low at 100°C.

Flashpoint: Not flammable.

Flammability limits: Not applicable. This product is not flammable.

Specific gravity: Not available.

Solubility in water: Insoluble.

Corrosiveness: Not corrosive.

Vapour Pressure: No data.

Ingredients:

Chemical entity	CAS No	Proportion%	Worksafe Exposure Limits	
			TWA (mg/m ³)	STEL (mg/m ³)
Brodifacoum	56073-10-0	0.005	Not set	not set
Other non hazardous ingredients	secret	to 100	not set	not set

This is a commercial product whose exact ratio of components may vary. Trace quantities of impurities are also likely.

II HEALTH HAZARD

Health Effects:

No specific data is available for the product for chronic exposure symptoms. The ingredients are not listed as carcinogenic in Worksafe's document "Exposure Standards for Atmospheric Contaminants in the Occupational Environment" (May 1995), nor in NOHSC's "List of Designated Hazardous Substances" (April 1999).

Acute Effects:

Swallowed: Data suggests that this product is harmful if swallowed. Due to the anticoagulant nature of the active ingredient, symptoms of poisoning are neither rapid nor readily apparent.

Eye: Eye contact with this product is considered unlikely to cause any significant irritation or pain.

Skin: Data suggests that this product may be absorbed through the skin and be harmful by skin absorption. Major skin exposure may lead to health problems.

Inhalation: No inhalation hazards incidental to normal handling operations are anticipated from this product when used at room temperatures.

The following data relate to the active ingredient, present in this product at the rate of 0.005%

Oral LD₅₀: 0.27 (male rat), 0.3 (male rabbits), 0.4 (male mice), 2.8 (female guinea pigs), 25 (cats), 0.25-1.0 (dogs). (Values in mg/kg). Acute percutaneous LD₅₀ for rats 200mg/kg (6 hour exposure). In 42 day feeding trials, rats receiving 0.1mg/kg diet suffered no ill effects.

First Aid:

Safety deluge showers should be provided where this product is being used.

If poisoning occurs, contact a Doctor or Poisons Information Centre. Phone 13 1126 from anywhere in Australia.

Swallowed: If swallowed, do NOT induce vomiting. Wash mouth with water and give a glass of water to drink. Seek medical attention.
Eyes: If product gets in eyes, wash eyes to remove material. No further measures should normally be required.
Skin: If product gets on skin, immediately remove contaminated clothing and wash skin thoroughly with soap and water to remove material. If you begin to feel unwell, seek medical attention.
Inhalation: No first aid measures normally required. However, if vapours or dusts have been inhaled, and irritation has developed, remove to fresh air and observe until recovered. If irritation becomes painful or persists more than about 30 minutes, seek medical advice.
Advice to Doctor: Treat symptomatically. Note the nature of this product.

III- PRECAUTIONS FOR USE

Risk Phrases are: R21/22. Harmful if in contact with skin and if swallowed.

Exposure Standards:

A time weighted average (TWA) concentration for an 8 hour day, and 5 day week has not been established by NOHSC Australia for any of the major ingredients in this product. There is a blanket limit of 10mg/m³ for dusts or mists when limits have not otherwise been established. The ADI (Acceptable Daily Intake) for Brodifacoum is set at 0.000005mg/kg/day. The corresponding NOEL (No-observable-effect-level) is set at 0.001mg/kg/day. Values taken from Australian ADI List,

Engineering Controls:

In industrial situations, concentration values below the TWA value should be maintained. Values may be reduced by process modification, use of local exhaust ventilation, capturing substances at the source, or other methods. If you believe air borne concentrations of mists, dusts or vapours are high, you are advised to modify the process or environment to reduce the problem.

Personal Protection:

The following instructions are meant for people coming into frequent and lengthy contact with this product. For occasional use, take precautions suitable for the conditions under which the product is being used.

Respiratory Protection: It is usually safe to not use a dust mask or respirator protection on account of this product. However, if the product is being used in dusty or confined conditions, use of a mask or respirator may be preferred. For help in selecting suitable equipment, consult AS/NZS 1715.

Protective Gloves: Impermeable protective gloves should be worn when you are using this product, since absorption through the skin is harmful. For help in selecting suitable equipment, consult AS 2161.

Eye Protection: Protective eyewear is not normally necessary when using this product. However, it is always prudent to use protective eyewear. Consult AS1336 and AS/NZS 1337 for advice on Industrial Eye Protection.

Clothing: Clean overalls or protective clothing should be worn, preferably with an apron. Consult AS 2919 for advice on Industrial Clothing.

Safety Boots: Wearing safety boots in industrial situations is advisory. Consult AS/NZS 2210 for advice on Occupational Protective Footwear. Always wash hands before smoking, eating or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

IV SAFE HANDLING INFORMATION

Safety Phrases are: S20, S24, S36/37/39. When using, do not eat or drink. Avoid contact with skin. Wear suitable protective clothing, gloves and eye/face protection.

Storage & Transport

No special storage and transport requirements. This product has no UN classification. This product is a S6 Poison. Observe all relevant regulations regarding sale, transport and storage of this class of product. Containers should be kept closed in order to minimise contamination. Keep from extreme heat and open flames, and make sure that the product does not come into contact with substances listed under "Materials to avoid" below.

Spills & Disposals

In the event of a major spill, prevent spillage from entering drains or water courses. Immediately call the Fire Brigade. Wear full protective clothing including face mask, face shield and gauntlets. All skin areas should be covered. Thoroughly launder protective clothing before storage or re-use. See above under Personal Protection regarding Australian Standards relating to personal protective equipment. Stop leak if safe to do so, and contain spill. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage, and dispose of promptly. Recycle containers wherever possible. After spills, wash area preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services. This material may be suitable for approved landfill. Dispose of only in accord with all regulations. Advise laundry of nature of contamination when sending contaminated clothing to laundry.

Fire & Explosion Hazard

There is no risk of an explosion from this product under normal circumstances if it is involved in a fire.

Flashpoint: Not flammable.

Flammability limits: Not applicable. This product is not flammable. Extinguishing Media.

Special Fire Fighting procedures: When fighting fires involving significant quantities of this product, wear safety boots, non-flammable overalls, gloves, hat and preferably, goggles.

Unusual Fire & Explosion Hazards: Fire decomposition products from this product may form toxic mixtures in confined spaces.

Stability: This product is unlikely to spontaneously decompose.

Polymerisation: This product is unlikely to spontaneously polymerise.

Decomposition Products: Carbon dioxide, and if combustion is incomplete, carbon monoxide and smoke. Water.

Materials to avoid: strong oxidising agents.

V OTHER INFORMATION

This MSDS is prepared in accord with the Worksafe Australia document "National Code of Practice for the Preparation of Material Safety Data Sheets", 1994.

Contact Point: Harry Pearsall

Phone: Business Hours: P: 02 9316 8800 Fax: 02 9316 8600

This MSDS prepared by Kilford & Kilford Pty Ltd, March, 2005

Copyright © Kilford & Kilford Pty Ltd, 2005

National Poisons Information Centre: Dial 13 1126 (from anywhere in Australia)

THIS MSDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER SHOULD READ THIS MSDS AND CONSIDER THE INFORMATION IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE INCLUDING IN CONJUNCTION WITH OTHER PRODUCTS. IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY. THE RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

Please read all labels carefully before using product.

This MSDS is prepared in accord with the NOHSC document "National Code of Practice for the Preparation of Material Safety Data Sheets" 2nd Edition [NOHSC:2011(2003)] Copyright © Kilford & Kilford Pty Ltd, November, 2005.