

Animal Control Products Ltd



SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: CYANIDE PASTE FOR POSSUM DESTRUCTION
Synonyms: CYANIDE PASTE
Supplier 1: Animal Control Products Ltd
Street Address: 408 Heads Road
Wanganui
New Zealand
Telephone: 64 (0) 6 344 5302
Facsimile: 64 (0) 6 344 2260
Supplier 2: Animal Control Products Ltd.
Street Address: 10 Hayes Street
Waimate
New Zealand
Telephone: 64 (0) 3 689 8367
Facsimile: 64 (0) 3 689 8804
Emergency Telephone Number: 0274 798 318 or
0274 798 319
National Poisons Centre: 0800 764 766

2. COMPOSITION / INFORMATION ON INGREDIENTS

Product Name: CYANIDE PASTE FOR POSSUM DESTRUCTION
Synonyms: CYANIDE PASTE
Active Ingredient: Sodium cyanide 50% - 55% w/w
Other Ingredients: Petrolatum, soya oil and dyes
CAS number for Active: 143-33-9
Molecular Weight: 50
Molecular Formula: NaCN
Recommended Use: Paste for the control of possums
Appearance: A stiff green paste, may be granular in appearance.

3. HAZARDS IDENTIFICATION

This product is classified as a **DEADLY POISON**.

HAZARD CLASSES: 6.1A, 6.3B, 6.4A, 6.5B, 6.8B, 6.9A, 9.1A, 9.2A, 9.3A, 9.4A
HAZARD IDENTIFIERS: **Priority Identifiers** - Danger. Deadly Poison. Keep out of reach of children. Ecotoxic.
Secondary Identifiers - Extremely toxic. Fatal if swallowed, inhaled or absorbed through the skin. May cause skin and eye irritation. May cause respiratory difficulties if gas from the product is inhaled. Repeated exposure may cause reproductive and developmental damage; or organ failure. When handling open containers or laying baits, wear protective equipment as shown in

precautions box below. Avoid possible skin or eye contact with the paste. Extremely ecotoxic. May kill aquatic and terrestrial non-target animals. Take measures to prevent non-target exposure. Toxic in aquatic and soil environments. Avoid placing baits where they could enter waterways. Avoid pollution of any water supply with the paste or used container.

**DANGEROUS GOODS CLASS:
GENERAL REQUIREMENTS:**

Packing Group 1

Deadly Poison. Subject to tracking requirements for individual packs. Available for purchase and use only by holders of Controlled Substances Licenses. This substance must be under the control of an Approved Handler for Class 6 and Class 9 Hazardous substances at all times unless being transported by a transport operator with a Dangerous Goods License endorsement.

IN THE EVENT OF ACCIDENTAL POISONING, SEEK IMMEDIATE MEDICAL ASSISTANCE.

4. FIRST AID MEASURES

Symptoms of Poisoning: Dizziness, rapid breathing, headache, drowsiness followed by unconsciousness.

Ingestion: Do not induce vomiting. Seek immediate medical assistance. Speed is essential. Move patient to clean air. If still breathing, administer Amyl Nitrite by breaking an ampoule into a tissue or cloth and holding under the nose. Repeat every 3 minutes. Amyl Nitrite is not antidotal but may reduce the risk of acute poisoning causing death. Use nose to mouth (C.P.R.) rescue breathing if breathing has stopped. Try to keep patient active. Call doctor as soon as possible.

Eye Contact: Wash eyes with copious amounts of water until clear.

Skin Contact: Wash exposed area twice with soap and water, then rinse with fresh water.

Contaminated Remove contaminated clothing and wash before re-use.

Clothing: Wear rubber gloves, overalls and secure footwear when handling cyanide paste. Do not eat, drink or smoke. Clothing and gloves must be decontaminated by washing in hot soapy water. Ensure paste is not trampled off site.

Do NOT induce vomiting or give anything by mouth if patient is unconscious or convulsing.

PROMPT TREATMENT IS ESSENTIAL. GET MEDICAL ATTENTION IMMEDIATELY.

5. FIRE FIGHTING MEASURES

Flammable if ignited. Burning paste will give off cyanogen chloride gas which is toxic by ingestion and inhalation and which is combustible. Use foam and SCBA equipment in the event of fire.

6. ACCIDENTAL RELEASE MEASURES

In the event of a spill, take all practicable steps to manage any harmful effects of a spillage including preventing paste from entering streams or waterways. Isolate the spill area and exclude all bystanders within the vicinity and downwind. Hydrogen cyanide gas may be released from the

product, particularly by contact with acids, water and some metals. For large spills, inform emergency services immediately. Consult the Fire Service and local health protection officers. Scoop spilled paste into secure containers. Recover any undamaged paste for later use by placing in appropriately labeled containers and dispose of spoiled paste as directed below. Wash down the spill area with copious water and detergent only after all spilled paste has been removed.

7. HANDLING AND STORAGE

When handling open containers or laying baits, wear a protective jacket or overalls and impervious rubber or PVC gloves. In confined spaces SCBA breathing equipment must be worn. Do not eat, drink or smoke when laying baits. Remove protective clothing and wash hands and exposed skin before meals and after any contact. Wash protective clothing after use. Replace the end cap on the nozzle when not dispensing paste.

Store in original container, tightly closed, under lock and key and away from feed or foodstuffs. Keep out of reach of children. This product must always be under the control of an approved handler who holds a current test certificate endorsed for class 6 and class 9 substances.

Take care when opening containers used for storing sodium cyanide as deadly hydrogen cyanide gas may be present. Open stored containers only in the open air. See protective equipment requirements below. Do not store with acids. Do not use aluminium or other metal containers likely to react with cyanide. Always ensure adequate ventilation when working with cyanide.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Tolerable exposure limits (TELs) and environmental exposure limits (EELs)

TEL_{water} = 0.08 mg/litre

TEL_{air} = 0.009 mg/m³

EEL_{freshwater} = 18 µg/litre

EEL_{marine} = 14 µg/litre

Engineering Measures: Decontaminants are water, heat and microbial decomposition.

Personal Protection Equipment: Operators using or handling the product in open containers must wear gloves, overalls and waterproof boots. Do not smoke, drink or eat while handling the product. Wash hands, face and any exposed areas after use. Wash protective equipment immediately after use or otherwise isolate and containerise for return to a washing facility.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form / Colour / Odour:

Green dyed, petrolatum based firm paste.

Solubility in Water (g/L)	48g/100ml at 10 °C
Melting Point of active (°C)	563.7 °C
Boiling Point of active (°C)	1496 °C
Density	Not applicable

10. STABILITY AND REACTIVITY

Stable up to 1500 °C . Under the influence of acids (& CO₂) hydrocyanic acid is released which is combustible and may react with air to form an explosive mixture.

11. TOXICOLOGICAL INFORMATION

See Section 12. below.

12. ECOLOGICAL INFORMATION

LD₅₀ Rat(oral) = 8.35 mg/kg BW

Very toxic by inhalation and if swallowed. Inhalation (approximately 200ppm HCN in the breathed air) or swallowing (200 - 300 mg NaCN) could cause death. Can be absorbed through the skin.

Acute fish toxicity LC₅₀ 0.07 mg/l.

Acute crustacean toxicity LC₅₀ 3 mg/l.

Acute bacteria toxicity EC₅₀ 0.0004 mg/l.

Use the paste only for the purpose indicated and in the manner prescribed by the label.

Take steps to mitigate any potential non-target exposure by wildlife or domestic animals.

Improper disposal of excess pesticide is unlawful. If wastes can not be disposed of by use according to label instructions, contact local Regional Council or the Hazardous Waste Consultant for guidance.

13. DISPOSAL CONSIDERATIONS

The best means of disposal is to use the product for its intended purpose. Product which is surplus or spoiled should be disposed of by burying in a secure site at a suitable landfill, by processing via a sewage treatment plant or treating through a chemical treatment facility. Do not use the empty container for any other purpose. Dispose of empty containers by burning if favourable wind conditions exist, or burying. Bury unwanted or spoiled paste and container no less than 60cm deep in an approved landfill. Select a well drained site, place pastes within the biologically active layer and put a spade cut through the containers before covering. Dispose of cyanide in a manner which prevents residues reaching streams, water bodies and ground water.

14. TRANSPORT INFORMATION

Proper Shipping Name:	Pesticide, solid, toxic, n.o.s. [contains Sodium cyanide 50% - 55%]
U.N. NO:	2588
Class:	6.1
Packing Group:	I

Maximum transport quantity when for use as tools of trade = 5 kg

15. REGULATORY INFORMATION

Deadly poison. This product may be purchased and used only by persons holding a Controlled Substances License which is specifically endorsed for sodium cyanide.

Registered Pesticide: V000707 (Cyanide Paste For Possum Destruction)

16. OTHER INFORMATION

SPECIAL PRECAUTIONS & OTHER COMMENTS:

May be fatal if swallowed. Wear waterproof gloves when applying.

This product is toxic to most wildlife. Take measures to minimise the chance of baits entering any body of water. Apply the product only as specified by its label directions.

Where practicable, the exposed bodies of all poisoned animals should be collected and destroyed by complete burning or deep burial at a landfill approved for hazardous wastes.

CONSULT NEAREST POISON CONTROL CENTER FOR CURRENT INFORMATION.

All information contained in this Data Sheet is as accurate and up-to-date as possible. Since Animal Control Products Ltd. cannot anticipate or control the conditions under which this information may be used, each user should review the information in the specific context of the intended application.