

SAFETY DATA SHEET



9. Physical and Chemical Properties.

Appearance	A blue speckled soft, oily paste.
Odour	Peanut Butter, peanut oil.
pH	Approximately neutral
Vapour Pressure	Not Applicable
Vapour Density	Not Applicable
Boiling Point	Not Applicable
Solubility	Virtually insoluble in water, but will wash away if exposed to rain.
Specific Gravity	Approximately 0.9
Flash Point	Not Applicable
Lower Flammability Limit	Not Applicable
Upper Flammability Limit	Not Applicable
Auto Ignition Temperature	Not Applicable

10. Stability and Reactivity.

Chemical Stability	Stable and un-reactive
Incompatible Materials	Incompatible with strong acids and alkalis.
Hazardous Decomposition Products	None
Polymerization	Not Applicable
Conditions to Avoid	Do not store this product with foodstuffs or food containers.

11. Toxicological Information.

Toxicity Data	LD50 Oral Rats 35-47mg/kg LD50 Oral Possums 16.8/kg
Routes of Exposure	Ingestion, skin contact, contact with eyes.
Health Effects from Likely Routes of Exposure	Ingestion Harmful if swallowed. Risk of delayed effects including anorexia, lassitude, nausea, vomiting, diarrhoea, profuse sweating headache and extreme thirst. Skin Contact Intermittent skin contact is unlikely to have any adverse effects. The product is not a skin irritant or sensitizer. Avoid prolonged or daily skin contact. Eye Contact Contact with the eye is unlikely to cause any adverse poisoning effects but the oily nature of the paste and the hard grains may cause irritation.
Medical Conditions Aggravated by Exposure	Hypocalcaemia
Carcinogenicity	No data currently available.
Reproductive Effects	May damage fertility or the unborn child
Teratogenic Effects	No data currently available.
Organ Toxicity	May cause organ damage especially kidneys

SAFETY DATA SHEET



Fire Hazard Properties	Flashpoint Upper Flammable Limit Lower Flammable Limit Auto-ignition Temperature Flammability Classification Flame Propagation Rate Dust Explosion Potential Fast Burning Characteristics Release of Vapours	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable The product container may give off toxic vapours.
Suitable Extinguishing	Any extinguishing media may be used, depending Media on the fire.	
Equipment for Fire	Helmet (if necessary), protective footwear, fire Fighters resistant overalls, gloves, suitable respiratory protection.	

6. Accidental Release Measures.

Methods for Containment And Cleanup. Scoop or shovel any spilled product into sealable containers. Prevent product from entering waterways. Dispose of as per section 13 of this SDS.

Personal Safety Precautions Avoid skin contact, wear protective clothing when cleaning up spills.

7. Handling and Storage.

Safe Handling Minimize handling and avoid repacking product into other containers except properly labeled Bait Stations. DO NOT handle around food stuffs or food containers

Safe Storage Store in the original container, tightly secured, and under lock and key away from foodstuffs in a dry, well ventilated area away from direct sunlight. Keep out of reach of children and domestic animals. DO NOT store with Class 1, 3, 5.1, 5.2, or 8 products

8. Exposure Controls/Personal Protection.

National Exposure Standards No exposure standard allocated. This does not mean that the product is not harmful. Safe work practices should always be followed when working with a Vertebrate Poison.

Engineering Controls Exercise awareness, as for any harmful substance. No special ventilation is required.

Personal Protective Equipment
Respiratory Protection.
No respiratory protection is required

Body Protection.
Wear protective clothing such as overall and boots when handling this product. Immediately remove all soiled and contaminated clothing and wash before re-use. Correct dispensing into bait stations and bait laying procedures are required.

Hand Protection.
Wear protective, non porous gloves when handling this product, avoid prolonged skin contact.

Eye Protection.
Not required.

General Hygiene Considerations
Wash hands thoroughly in soapy water after handling this product and before eating, drinking or smoking.

SAFETY DATA SHEET



Eye Contact Immediately flush the contaminated eye(s) with lukewarm flowing water for at least 15 minutes. Take care not to rinse contaminated water into a non affected eye.

Medical Attention and Other Special Treatment In the case of serious poisoning call a Doctor or ambulance or take to hospital without delay.

Advice to Doctors

Active Ingredient is Cholecalciferol Vitamin D3

Dogs. Amorphine may be effective as an emetic. Alternatively, sodium carbonate (washing soda), zinc sulphate, or other emetics may be used. If syrup of Ipecac (7%) is used, the recommended dose is 1-2ml/kg of body weight up to a maximum of 15ml. This may be repeated once if a lower dose is used.

Cats. Xylazine is used at a dose of 1 mg/kg of body weight intra muscular. Xylazine can be reversed with Yohimbine 0.1mg/kg of bodyweight intra venous. Alternatively use 5ml, 3% hydrogen peroxide per 4.5kg of body weight given one or two times. Hydrogen peroxide is most effective if given after a small meal. If syrup of Ipecac (7%) is used, the dose is 3.3ml/kg of body weight (2-6ml) (DO NOT REPEAT)

General. If the animal is asymptomatic and there is no contraindication for emetics use apomorphine (dogs) or Xylanize (cats) or other acceptable emetic. Administer large quantities of fluid and electrolytes (no calcium) by mouth or intra venous (saline solution) with an appropriate diuretic like Frusemide. Give activated charcoal over several days to assist in removal of Cholecalciferol and metabolites. Patient should be placed on a low calcium diet. Exposure to sunlight should be avoided.

* Please use veterinary discretion when choosing which of the following drugs to use:

- **Frusemide** (1mg/kg TID). This inhibits calcium re-absorption by the kidney. Caution- the patient must first be rehydrated prior to Frusemide or dehydration may worsen.
- **Activated Charcoal.** Administer over several days to remove Cholecalciferol and metabolites from the serum. Activated charcoal may cause constipation so initially it is recommended to use AC plus Sorbitol (e.g. Carbosorb) but avoid repeated use of Sorbitol or electrolyte imbalances may occur. Do not use oils concurrently with AC.
- **Prednisone.** (1-2mg/kg BID). This decreases gut absorption, promotes calcium excretion by the kidneys and may inhibit release of calcium in the bones.
- **Phosphate Binders.** (Amphojel). May be beneficial if concurrent hypophosphataemia especially to decrease Ca and P.
- **Calcitonin.** This is recommended by the manufacturer but see Pamidronate, as it appears to be more effective. It inhibits osteoclastic bone resorption and has a calciuria effect. The effect is short term. If serum levels are high, salmon calcitonin has been used as a treatment for hypocalcaemia to help bring down serum calcium levels. The dose is 4-6IU/kg by subcutaneous injection (every 6-8 hours) until serum calcium levels stabilize.
- **Pamidronate Disodium.** (1.3-2mg/kg of body weight). This is a biphosphonate compound that lowers serum calcium and is used when normal treatment with fluid and diuretics fail to lower serum calcium. It is administered diluted in saline and given over two hours IV. The patient should remain on IV saline until the calcium levels are normalized. Monitor the calcium levels daily for up to 96 hours. One re-treatment may be indicated 5-7 days after the first Pamidronate treatment

*Treatment with activated charcoal, diuretics and corticosteroids, monitor serum calcium daily. Administer other treatments if serum calcium levels do not normalize.

5. Fire Fighting Measures.

For major fires call the Fire Brigade without delay. Ensure that an escape path is available from any fire.

Type of Hazard This material is not flammable or combustible. In the event of a fire the container may give off toxic fumes.

SAFETY DATA SHEET



FeraCol One Feed Paste for Possums.

1. Identification of the Material and the Supplier.

Product Name	FeraCol
Article Number	FCOL
Other Names	Cholecalciferol (Vitamin D) 8g/kg
Product Uses	Vertebrate Pest Control (Possums)
Company Name	Connovation Limited
Address	36B Sir William Avenue East Tamaki Auckland. New Zealand
Telephone number	(09) 273-4333
Fax Number	(09) 374-4334
Website	www.connovation.co.nz
Emergency Telephone	0800- 764-766
National Poisons Centre	(03) 479-7248

2. Hazards Identification.

HAZARDOUS SUBSTANCE. NOT A DANGEROUS GOODS

Classified as hazardous according to the criteria in the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001 Environmental Risk Management Authority Classifications

Class 6 Toxicity	6.1E 6.8B 6.9B	Acutely Toxic Reproductive/Developmental Target Organ Systemic
Class 9 Ecotoxicity	9.1D	Aquatic Ecotoxicity
Risk Phrases	R22	Harmful if Swallowed
Safety Phrases	S1/2 S36 S37 S45	Keep locked up and out of reach of children. Wear suitable protective clothing. Wear suitable gloves In case of accident or if you feel unwell, seek medical advice immediately.

3. Composition/Information on Ingredients.

Ingredient Common Name	Cholecalciferol, Vitamin D
CAS Number	67-97-0, UN Number 2811
% by weight	8g/kg
Chemical Name	Cholecalciferol.
Molecular Weight	384.7

Other ingredients to 100% are not classified as hazardous

4. First Aid Measures.

Ingestion	Have the victim rinse the mouth thoroughly with water. DO NOT INDUCE VOMITING. If vomiting occurs naturally rinse the mouth well with water. DO NOT give anything by mouth if the victim is unconscious. Seek urgent medical attention. Advise detail from the label or this SDS.
Inhalation	Not Applicable
Skin Contact	Avoid prolonged skin contact with this material. Immediately remove all contaminated clothing. Wash affected areas thoroughly with soap and water.