

## SAFETY DATA SHEET

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Advanced Soft Bait

**Use:** Rodenticide, biocidal product

**Company Name:**

Coopers Manufacturing CC

Reg. No. 2004/015647/23

P.O. Box 14374

BREDELL 1623

SOUTH AFRICA

TEL: (011) 979-4246/7

**Emergency Contact Numbers:**

Poison Information Centre: 0861 555 777

Griffon Poison Information Centre: (+27) 82 446 8946

### 2. HAZARD IDENTIFICATION

**SANS 10234:2008, Regulation EC 1272/2008 [EU-GHS/CLP]**

No need for classification according to GHS criteria for this product.

**Label elements: (Globally Harmonized System)**

**Precautionary statements:**

P101: If medical advice is needed, have product container at hand.

P102: Keep out of reach of children.

P103: Read label before use.

The product does not require a hazard warning label in accordance with GHS criteria.

**Other hazards: (According to UN GHS criteria)**

See Section 12 – Results of PBT and vPvB assessment.

If applicable information is provided in this section on other hazards which do not result in classification, but which may contribute to the overall hazards of the substance or mixture. This product is hazardous to mammals, including domesticated animals and birds. Exposure of non-target animals should be prevented.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

**Substance / Mixture:** Mixture

**Chemical nature:** Biocidal product, rodenticide, bait  
Contains Colecalciferol (0.075% (w/w))

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### Hazardous ingredients (GHS) (According to UN GHS criteria):

Oils, palm:	Content: < 50% (w/w) CAS Number: 8002-75-3 EC-Number: 232-316-1
Corn oil:	Content: < 30% (w/w) CAS Number: 8001-30-7
Sucrose:	Content: < 15% (w/w) CAS Number: 57-50-1 EC-Number: 200-334-9
Wheat flour:	Content: < 15% (w/w) CAS Number: 130498-22-5 EC-Number: 310-127-6

### 4. FIRST-AID MEASURES

#### If inhaled:

Keep patient calm, remove to fresh air.

#### Skin contact:

Remove contaminated clothing. Wash thoroughly with soap and water.

#### Eye contact:

Wash affected eyes for at least 15 minutes under running water with eyelids held open.

#### Ingestion:

Rinse mouth and then drink 200 – 300 ml of water.

#### Most important symptoms and effects, both acute and delayed

Symptoms: (Further) symptoms and /or effects are not known so far.

Hazards: Chronic overexposure has been reported to cause hypercalcemia.

#### Indication of any immediate medical attention and special treatment needed

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

### 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media:** Use water spray, foam or dry powder to extinguish fire.

**Unsuitable Extinguishing Media:** Do not use carbon dioxide as fire extinguisher due to safety reasons.

**Specific Hazards:** Carbon monoxide, carbon dioxide and nitrogen oxides can be released in case of a fire.

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**Special Fire-fighting Procedures:** In case of fire and/or explosion, do not breathe fumes. Keep containers cool by spraying with water if exposed to fire. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

**Personal Protective Equipment:** Firefighters should wear full protective gear, including self-contained breathing apparatus and chemical-protective clothing.

### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Avoid inhalation as well as contact with the skin, eyes and clothing.

**Protective equipment:** Use personal protective clothing.

**Emergency procedures:** Do not smoke, eat or drink during the clean-up process. Keep people and animals away and upwind.

**Environmental precautions:** Do not discharge into the subsoil / soil. Do not discharge into drains / surface waters / groundwater.

**Methods and Materials for containment:**

For small amounts: Contain with dust binding material and dispose of.

For large amounts: Sweep / shovel up.

**Methods and Materials for clean-up:** Avoid raising dust. Dispose of absorbed material in accordance with regulations. Collect waste in suitable containers, which can be labeled and sealed. Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations.

### 7. HANDLING AND STORAGE

**Precautions for safe handling:**

No special measures necessary if stored and handled correctly. Ensure thorough ventilation of stores and work areas. Do not eat, drink or smoke while handling the product. Hands and/or face should be washed before breaks and at the end of the shift.

Do not apply in the open – use bait boxes. If dead and/or dying rats or mice are found during and after the control program, these must be cleared away immediately to avoid secondary poisoning situations.

Protect against fire and explosion:

No special precautions are necessary. The product is non-combustible. Product is not explosive.

**Conditions for safe storage, including incompatibilities:**

Segregate from foods and animal feeds. Odour-sensitive: Segregate from products releasing odours.

Further information on storage conditions: Keep only in the original container in a cool, well-ventilated place. Keep container dry. Keep away from heat. Protect from direct sunlight. Protect against moisture.

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Storage stability: 60 months

Specific end uses: For the relevant identified use(s) listed in Section 1 the advice mentioned in this section 7 is to be observed.

### 8. EXPOSURE CONTROL AND PERSONAL PROTECTION

#### Control parameters:

Components with occupational exposure limits

Component	CAS number	Exposure limit	Type of exposure limit
Sucrose	57-50-1	10 mg/m <sup>3</sup>	TWA
Corn oil	8001-30-7	5 mg/m <sup>3</sup> respirable fraction	TWA
		10 mg/m <sup>3</sup>	TWA
Oils, palm	8002-75-3	5 mg/m <sup>3</sup> respirable fraction	TWA
		10 mg/m <sup>3</sup>	TWA

**Exposure Limits:** No occupational exposure limits known for the product.

#### Personal protective equipment:

##### Respiratory protection:

Respiratory protection is not required.

##### Hand protection:

Protective gloves (EN ISO 374-1) are required for the safe handling of this product and are also recommended for protection against rodent-borne diseases.

e.g. Nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), polyvinylchloride (0.7 mm) and other manufacturer's directions for use should be observed because of great diversity of types.

##### Eye protection:

Safety glasses with side-shields (frame goggles) (e.g. EN 166)

##### Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

#### General safety and hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Wearing of closed work clothing is recommended. Store work clothing separately. Keep away from food, drink and animal feeding stuffs.

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Form:</b>	Solid
<b>Colour:</b>	Grey to green
<b>Odour:</b>	Sweetish, faint odour
<b>Odour threshold:</b>	Not determined
<b>pH value:</b>	approx. 5 – 7 (1% (m/m) as suspension, 20 °C)
<b>Melting point:</b>	The product has not been tested.
<b>Boiling point:</b>	The product has not been tested.
<b>Flash point:</b>	Not applicable, the product is a solid.
<b>Evaporation rate:</b>	Not applicable
<b>Flammability:</b>	Not highly flammable
<b>Lower explosion limit:</b>	Not applicable as long as product is used appropriately and in accordance with the intended use.
<b>Upper explosion limit:</b>	Not applicable as long as product is used appropriately and in accordance with the intended use.
<b>Vapour pressure:</b>	Not applicable
<b>Density:</b>	approx. 1.32 g/cm <sup>3</sup> (20 °C)
<b>Relative vapour density (air):</b>	Not applicable
<b>Solubility in water:</b>	Insoluble
<b>Partitioning coefficient</b>	
<b>n-octanol/water (log Kow):</b>	-3.27 (information on Sucrose; literature data)
<b>Thermal decomposition:</b>	180 °C, 270 kJ/kg (DSC (OECD 113)) (onset temperature) 280 °C, 30 kJ/kg (DSC (OECD 113)) (onset temperature)
<b>Viscosity, dynamic:</b>	Not applicable, the product is a solid
<b>Explosion hazard:</b>	Not explosive
<b>Fire promoting properties:</b>	Not fire-propagating
<b>Other Information:</b>	
<b>Self heating ability:</b>	It is not a substance capable of spontaneous heating according to UN transport regulations class 4.2.

### 10. STABILITY AND REACTIVITY

#### Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

#### Chemical stability

The product is stable if stored and handled as prescribed/indicated.

#### Possibility of hazardous reactions

No hazardous reactions if stored and handled as prescribed/indicated.

#### Conditions to avoid

See SDS section 7 - Handling and storage.

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### Incompatible materials

#### Substances to avoid:

strong oxidizing agents, strong bases, strong bases.

### Hazardous decomposition products:

No hazardous decomposition products if stored and handled as prescribed/indicated.

## 11. TOXICOLOGICAL INFORMATION

### Information on toxicological effects:

#### Acute toxicity:

Assessment of acute toxicity:

Virtually non-toxic after a single contact. Virtually non-toxic by inhalation. Virtually non-toxic after a single ingestion.

#### Experimental/circulated data:

LD<sub>50</sub> rat (oral): > 5000 mg/kg (OECD Guideline 425)

No mortality was observed.

LD<sub>50</sub> rat (dermal): > 5000 mg/kg

No mortality was observed.

LC<sub>50</sub> rat (inhalation):

No inhalable due to the physio-chemical properties of the product.

#### Irritation:

Assessment of irritating effects:

Not irritating to the eyes. Not irritating to the skin.

Experimental/calculated data:

Skin corrosion/irritation rabbit: non-irritant.

#### Respiratory/Skin sensitization:

Assessment of sensitization:

There is no evidence of a skin-sensitizing potential.

Experimental/calculated data:

Buehler test guinea pig: Non-sensitizing.

#### Germ cell mutagenicity:

Assessment of mutagenicity:

The product has not been tested. The statement has been derived from the properties of the individual components. Mutagenicity tests revealed no genotoxic potential.

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### **Carcinogenicity:**

Assessment of carcinogenicity:

The product has not been tested. The statement has been derived from the properties of the individual components. The results of various animal studies gave no indication of a carcinogenic effect.

### **Reproductive toxicity:**

Assessment of reproduction toxicity:

The product has not been tested. The statement has been derived from the properties of the individual components. The results of animal studies gave no indication of a fertility impairing effect.

### **Developmental toxicity:**

Assessment of teratogenicity:

The product has not been tested. The statement has been derived from the properties of the individual components. Animal studies gave no indication of a developmental toxic effect at dose that were not toxic to the parental animals.

### **Specific target organ toxicity (single exposure):**

Assessment of STOT single:

Based on the available information there is no specific target organ toxicity to be expected after a single exposure.

Remarks: The product has not been tested. The statement has been derived from the properties of the individual components.

### **Repeated dose toxicity and Specific target organ toxicity (repeated exposure):**

Assessment of repeated dose toxicity:

The product has not been tested. The statement has been derived from the properties of the individual components. No substance specific organ toxicity was observed after repeated administration to animals.

### **Aspiration hazard:**

The product has not been tested. The statement has been derived from the properties of the individual components.

No aspiration hazard expected.

### **Other relevant toxicity information:**

Misuse can be harmful to health.

## 12. ECOLOGICAL INFORMATION

### **Toxicity:**

#### **Assessment of aquatic toxicity:**

There is a high probability that the product is not acutely harmful to aquatic organisms. The product has not been tested. The statement has been derived from the properties of the individual components.

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### Information on: Corn oil

Toxicity to fish:

LC<sub>50</sub> 3000 mg/l, *Leuciscus idus* (OECD 203; ISO 7346; 92/69/EEC, C.1)

The product has not been tested. The statement has been derived from the substances/products of a similar structure or composition.

Analogous: Assessment derived from products with similar chemical character.

### Assessment of terrestrial toxicity:

Hazardous to birds and mammals.

### Persistence and degradability:

Assessment biodegradation and elimination (H<sub>2</sub>O):

The product has not been tested. The statement has been derived from the properties of the individual components.

### Information on: Corn oil

Assessment biodegradation and elimination (H<sub>2</sub>O):

Readily biodegradable (according to OECD criteria).

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

### Information on: Oils, palm

Assessment biodegradation and elimination (H<sub>2</sub>O):

Readily biodegradable.

### Bioaccumulative potential:

Assessment bioaccumulation potential:

The product has not been tested. The statement has been derived from the properties of the individual components.

### Information on: Sucrose

Assessment bioaccumulation potential:

Because of the n-octanol/water distribution coefficient (log Pow) accumulation in organisms is not to be expected.

### Mobility in soil:

Assessment of transport between environmental compartments:

Adsorption in soil: No data available. The product has not been tested. The statement has been derived from the properties of the individual components.

### Results of PBT and vPvB assessment:

The product does not contain a substance fulfilling the PBT (persistent/bioaccumulative/toxic) criteria or the vPvB (very persistent/very bioaccumulative) criteria.



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### Other adverse effects:

The product does not contain substances that are listed in the Montreal Protocol on substances that deplete the ozone layer.

### Additional information:

Other ecotoxicological advice:

Must not be discharged into the environment.

## 13. DISPOSAL CONSIDERATION

### Waste treatment methods

Must be disposed of or incinerated in accordance with local regulations.

### Contaminated packaging:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

## 14. TRANSPORT INFORMATION

**UN Number:** Not regulated (not classified as dangerous good under transport regulation)

### Road Transport ADR / ODR:

Class: Not applicable

Packaging group: Not applicable

UN Proper Shipping Name: Not applicable

### Maritime Transport IMDG / IMO:

Class: Not applicable

Packaging group: Not applicable

UN Proper Shipping Name: Not applicable

Marine pollutant: No

### Air Transport IATA / ICAO:

Class: Not applicable

Packaging group: Not applicable

UN Proper Shipping Name: Not applicable

**Special / Environmental Precautions:** Wedge drums tightly to avoid movement.

**Transport in bulk:** Maritime transport in bulk is not intended.

## 15. REGULATORY INFORMATION

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

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

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**Relevant information regarding the restrictions:** None.

**EU Regulation:** Regulation EC1272/2008 (EU-GHS/CLP)

**Other national regulations:** None.

**Chemical Safety Assessment carried out?** No.

### 16. OTHER INFORMATION

**Packaging:** Packed in 20 g paste sachets, packed 7x20 g in a cardboard box and labelled according to South African regulations and guidelines.

**Other hazard statements and explanations:**

None.

#### Abbreviations:

**ADR:** European Agreement concerning the International Carriage of Dangerous Goods by Road.

**IATA:** International Air Transport Association.

**IBC:** International Bulk Chemical.

**ICAO:** International Civil Aviation Organization.

**IMDG:** International Maritime Dangerous Goods.

**IMO:** International Maritime Organization.

**LD<sub>50</sub> value:** The median lethal dose or the amount of a toxic agent that is sufficient to kill 50 percent of a population within a certain period of time.

**OEL/RL:** Occupational exposure limit-recommended limit.

**PEL:** Permissible exposure limits.

**TWA:** Time-weighted average – the average exposure over a specified period, usually a nominal eight hours.

**ST/STEL:** Short-term exposure limits.

**STOT:** Single target organ toxicity.

#### Disclaimer:

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The information on this sheet is not a specification; it does not guarantee specific properties. Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. All information is given in good faith but without guarantee in respect of accuracy, and no responsibility is accepted for errors and omissions or the consequence thereof. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

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