

# Safety Data Sheet

## BASF Safety Data Sheet

Date / Revised: 10.02.2017 (Version: 2.0, 30678464/SDS\_GEN\_00/EN)

Product: **Selontra® Soft Bait**

Page 1 of 10

## SECTION 1. Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

#### **Selontra® Soft Bait**

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

Relevant identified uses: rodenticide, biocide, bait

### 1.3. Details of the supplier of the safety data sheet

#### Company:

BASF New Zealand Limited

Level 4, 4 Leonard Isitt Drive, Auckland Airport, Auckland 2022

P.O. Box 407, Auckland 1140

Phone: + 64 9 255 4300

Fax: + 64 9 255 4307

E-mail address: reception@basf-nz.co.nz

### 1.4. Emergency telephone number

National Poisons Centre: 0800 764 766

BASF Emergency Advice Number: 0800 944 955 (24 Hour Advice in an Emergency Only)

## SECTION 2. Hazards Identification

### 2.1. Classification of the substance or mixture

Hazard classification according to the HSNO Act 1996:

6.9B 9.1D

### 2.2. Label elements

Pictogram:



Signal word: Warning

Hazard statements:

H373 May cause organ damage from prolonged or repeated oral exposure.

Biocide. Rodenticide bait

Precautionary Statements (Prevention):

P102 Keep out of reach of children

P103 Read label before use

P260 Do not inhale

P273 Avoid release to the environment

Precautionary Statements (Response):

P314 Get medical advice/attention if you feel unwell

Precautionary Statements (Disposal):

P501 Dispose of contents/container to hazardous or special waste collection point.

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### 2.3. Other hazards

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.

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## SECTION 3. Composition/Information on Ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

#### Chemical nature

Rodenticide, biocide, bait.

#### Hazardous ingredients

Cholecalciferol  
Content (W/W): 0.075 %  
CAS Number: 67-97-0  
INDEX-Number: 603-180-00-4

Acute Tox. 2 (Inhalation - dust)  
Acute Tox. 2 (oral)  
Acute Tox. 3 (dermal)  
STOT SE 1 (oral)  
Aquatic Acute 4  
Aquatic Chronic 4  
M-factor acute: 1  
M-factor chronic: 1  
H311, H330, H300, H372, H413

For the classifications not written out in full in this section the full text can be found in section 16.

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## SECTION 4. First-Aid Measures

### 4.1. Description of first aid measures

Remove contaminated clothing.

If inhaled:

Keep patient calm, remove to fresh air.

On skin contact:

Wash thoroughly with soap and water.

On contact with eyes:

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

On ingestion:

Rinse mouth and then drink plenty of water.

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

Symptoms: no significant reaction of the human body to the product known.

Hazards: chronic overexposure has been reported to cause hypercalcemia

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

Treatment: Symptomatic treatment (decontamination, vital functions).

## **SECTION 5. Fire-Fighting Measures**

### **5.1 Extinguishing media**

Suitable extinguishing media:

Water spray, dry powder, foam

Unsuitable extinguishing media for safety reasons:

carbon dioxide

### **5.2 Special hazards arising from the substance or mixture**

Carbon monoxide, carbon dioxide, nitrogen oxides

The substances/groups of substances mentioned can be released in case of fire.

### **5.3 Advice for fire-fighters**

Special protective equipment:

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

Further information:

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.

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## **SECTION 6. Accidental Release Measures**

### **6.1 Personal precautions, protective equipment and emergency procedures**

Avoid inhalation of dust. Use personal protective clothing. Avoid contact with the skin, eyes and clothing.

### **6.2 Environmental precautions**

Do not discharge into the subsoil/soil. Do not discharge into drains/surface waters/groundwater.

### **6.3 Methods and material for containment and cleaning up**

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

For large amounts: Sweep/shovel 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.

### **6.4 Reference to other sections**

Information regarding exposure controls/personal protection and disposal considerations can be found in section 8 and 13.

## SECTION 7. Handling and Storage

### HANDLING:

According to the Health and Safety at Work (Hazardous Substances) Regulations, Certified Handlers are not required for this product. Refer to the product label for handling precautions and directions for use.

### SALE:

The product must be sold only by a person who has been approved by the Ministry for Primary Industries.

A register of sales must be kept (minimum of 3 years), recording who the product was sold to and the quantity sold.

### **7.1. Precautions for safe handling**

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

Protection against fire and explosion:

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

### **7.2. Conditions for safe storage, including any 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.

#### **AGGREGATE STORAGE VOLUME THRESHOLDS:**

When stored with substances of the same hazard the aggregate quantity must be considered. For full details refer to the current standard NZS8409 Management of Agrichemicals or the Health and Safety at Work (Hazardous Substances) Regulations.

Location Certificate*:	Hazardous Atmosphere Zone*:	Fire Extinguishers:	Signage [Hazard Class & Emergency Action]:	Emergency Information:	Emergency Response Plan:	Secondary Containment:
NA	NA	NA	10,000 kg	1 kg	10,000 kg	10,000 kg

\* Note: Farms  $\geq$  4 ha are exempt but with controls.

**DO NOT STORE OR LOAD WITH:**  
Class 1 Explosive

#### **SEGREGATE FROM:**

Food or food containers and animal feedstuff

**Segregation:** In store separate by at least 5 metres, on transport separate by at least 3 metres, in both cases horizontally. On vehicles a segregation device may be used: Check the Land Transport Rule Dangerous Goods, Rule 45001 for additional information. Sea transport may require additional segregation. Refer to NZS5433 Sea Segregation for details.

NOTE: Storage, application and record keeping must be as described in the current version of the New Zealand Standard for the Management of Agrichemicals NZS8409.

### **7.3. Specific end use(s)**

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

## SECTION 8. Exposure Controls/Personal Protection

### 8.1. Control parameters

Components with occupational exposure limits

### 8.2. Exposure controls

Personal protective equipment

Respiratory protection:  
Respiratory protection not required.

Hand protection:  
Suitable chemical resistant safety gloves (EN 374) also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): E.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm) and other.

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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## SECTION 9. Physical and Chemical Properties

### 9.1. Information on basic physical and chemical properties

Form:	semi-solid, paste
Colour:	grey to green
Odour:	sweetish, faint odour
Odour threshold:	not determined due to potential health hazard by inhalation
pH value:	approx. 5 - 7 (1 %(m), 20 °C) (as suspension)
Melting temperature:	the product has not been tested
Boiling point:	the product has not been tested
Flash point:	not applicable
Evaporation rate:	not applicable
Flammability:	not highly flammable
Lower explosion limit:	as a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with the intended use.
Upper explosion limit:	as a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with the intended use.
Vapour pressure:	not applicable
Density: approx.	1,32 g/cm <sup>3</sup> (20 °C)
Relative vapour density (air):	not applicable
Solubility in water:	insoluble
Partitioning coefficient n-octanol/water (log Kow):	not applicable
Self-ignition:	temperature: 318,0 °C (Method: Regulation 440/2008/EC, A.16)
Thermal decomposition:	180 °C, 270 kJ/kg (DSC (OECD 113)) (onset temperature) 280 °C, 30 kJ/kg (DSC (OECD 113)) (onset temperature) Not a substance liable to self-decomposition according to UN transport

regulations, class 4.1.  
Viscosity, dynamic: not applicable, the product is a solid  
Explosion hazard: not explosive  
Fire promoting properties: not fire-propagating (Regulation 440/2008/EC, A.17)

## 9.2. Other information

Self-heating ability: it is not a substance capable of spontaneous heating according to UN transport regulations class 4.2.

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## SECTION 10. Stability and Reactivity

### 10.1. Reactivity

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

### 10.2. Chemical stability

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

### 10.3. Possibility of hazardous reactions

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

### 10.4. Conditions to avoid

See SDS section 7 - Handling and storage.

### 10.5. Incompatible materials

Substances to avoid: strong acids, strong bases, strong oxidizing agents

### 10.6. Hazardous decomposition products:

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

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## SECTION 11. Toxicological Information

### 11.1. Information on toxicological effects

#### Acute toxicity

Assessment of acute toxicity:

Virtually nontoxic after a single skin contact. Virtually nontoxic by inhalation. Virtually nontoxic after a single ingestion.

Experimental/calculated data:

LD50 rat (oral): > 5,000 mg/kg (OECD Guideline 425)

No mortality was observed.

LC50 rat (by inhalation):

Not inhalable due to the physico-chemical properties of the product.

LD50 rat (dermal): > 5,000 mg/kg

No mortality was observed.

#### Irritation

Assessment of irritating effects:

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

Experimental/calculated data:

Skin corrosion/irritation rabbit: non-irritant

Serious eye damage/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.

#### Carcinogenicity

Assessment of carcinogenicity:

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

#### 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 doses 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.

*Information on: cholecalciferol; Vitamin D3*

*Assessment of repeated dose toxicity:*

*Repeated oral exposure to small quantities may affect certain organs. The substance may cause damage to the kidney even after repeated ingestion of low doses, as shown in animal studies. The substance may cause damage to blood vessels even after repeated ingestion of low doses, as shown in animal studies.*

*Information on: Corn oil*

*Assessment of repeated dose toxicity:*

*Repeated exposure to large quantities may affect certain organs.*

*No adverse effects were observed after repeated inhalative exposure in animal studies.*

#### Aspiration hazard

No aspiration hazard expected.

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

#### Other relevant toxicity information:

Misuse can be harmful to health.

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## SECTION 12. Ecological Information

### 12.1. 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.

*Information on: cholecalciferol; Vitamin D3*

*Toxicity to fish:*

*LC50 (96 h) > 10.000 mg/l, Leuciscus idus (DIN 38412 Part 15, static)*

*The product has low solubility in the test medium. An aqueous dispersion has been tested. Tested above maximum solubility. The details of the toxic effect relate to the nominal concentration.*

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*Information on: cholecalciferol; Vitamin D3*

*Aquatic invertebrates:*

*EC50 (48 h) > 100 mg/l, Daphnia magna (OECD Guideline 202, part 1, static)*

*The product has low solubility in the test medium. An eluate has been tested. The details of the toxic effect relate to the nominal concentration. No toxic effects occur within the range of solubility.*

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*Information on: cholecalciferol; Vitamin D3*

*Aquatic plants:*

*EC50 (96 h) > 0,17 mg/l (growth rate), Selenastrum capricornutum (OECD Guideline 201, static)*

*The product has low solubility in the test medium. An eluate has been tested. No toxic effects occur within the range of solubility. The statement of the toxic effect relates to the analytically determined concentration.*

*No observed effect concentration (96 h) 0,17 mg/l (growth rate), Pseudokirchneriella subcapitata (OECD Guideline 201, static)*

*The statement of the toxic effect relates to the analytically determined concentration. The product has low solubility in the test medium. An eluate has been tested. No toxic effects occur within the range of solubility.*

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### 12.2. 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: cholecalciferol; Vitamin D3*

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

*Not readily biodegradable (by OECD criteria). Poorly biodegradable.*

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### 12.3. 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: cholecalciferol; Vitamin D3*

*Bioaccumulation potential:*

*Bioconcentration factor: 30 - 48, Fish (calculated)*

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### 12.4. Mobility in soil

Assessment transport between environmental compartments:

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

*Information on: cholecalciferol; Vitamin D3*

*Assessment transport between environmental compartments:*

*Volatility: The substance will not evaporate into the atmosphere from the water surface.*

*Adsorption in soil: Adsorption to solid soil phase is expected.*

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### 12.5. 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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### 12.6. Other adverse effects

The product does not contain substances that are listed in Regulation (EC) 1005/2009 on substances that deplete the ozone layer.

### 12.7. Additional information

Other ecotoxicological advice:

Do not discharge product into the environment.

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## SECTION 13. Disposal Considerations

To avoid disposal all attempts should be made to use this product completely, in accordance with its registered use. If this is not possible handle with care and dispose of in a safe manner. Follow all applicable community, regional and national regulations regarding waste management methods.

### 13.1. Waste treatment methods

Container:

DO NOT reuse empty bait container for any purpose. Ensure container is completely empty, and make it unsuitable for further use.

Recycle through Agrecovery (0800 247 326, [www.agrecovery.co.nz](http://www.agrecovery.co.nz)). Otherwise crush and bury in a suitable landfill.

Product:

Dispose of this product only by using according to the label or at an approved landfill. DO NOT burn product. For information on disposal of unused, unwanted product, contact the local council.

DO NOT contaminate surface or ground water with bait or empty container.

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## SECTION 14. Transport Information

Commercial transport:

Not classified as Dangerous Goods for Land/rail (ADR/RID), sea (IMDG/GGVSee) and air transport (ICAO/IATA):

UN number	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user:	Not known
Marine pollutant:	No
HAZCHEM:	2[Z]

### 14.1. UN number

See corresponding entries for "UN number" for the respective regulations in the tables above.

### 14.2. UN proper shipping name

See corresponding entries for "UN proper shipping name" for the respective regulations in the tables above.

### 14.3. Transport hazard class(es)

See corresponding entries for "Transport hazard class(es)" for the respective regulations in the tables above.

#### 14.4. Packing group

See corresponding entries for "Packing group" for the respective regulations in the tables above.

#### 14.5. Environmental hazards

See corresponding entries for "Environmental hazards" for the respective regulations in the tables above.

#### 14.6. Special precautions for user

See corresponding entries for "Special precautions for user" for the respective regulations in the tables above.

#### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Regulation:	Not evaluated
Shipment approved:	Not evaluated
Pollution name:	Not evaluated
Pollution category:	Not evaluated
Ship Type:	Not evaluated

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### SECTION 15. Regulatory Information

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

##### NZ Regulations

Approved pursuant to the HSNO Act 1996, Code HSR101268.  
See [www.epa.govt.nz](http://www.epa.govt.nz) for approval conditions.

Registered pursuant to the ACVM Act 1997, No V9647.  
See [www.foodsafety.govt.nz/acvm](http://www.foodsafety.govt.nz/acvm) for registration conditions

#### 15.2 Chemical Safety Assessment

Advice on product handling can be found in sections 7 and 8 of this safety data sheet.

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### SECTION 16. Other Information

Full text of the classifications, including the hazard classes and the hazard statements, if mentioned in section 2 or 3:

Acute Tox.	Acute toxicity
STOT RE	Specific target organ toxicity — repeated exposure
Aquatic Chronic	Hazardous to the aquatic environment - chronic
H311	Toxic in contact with skin
H330	Fatal if inhaled
H300	Fatal if swallowed
H372	Causes damage to organs through prolonged or repeated oral exposure
H413	May cause long lasting harmful effects to aquatic life

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 data do not describe the product's properties (product specification). 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. 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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