

# Safety data sheet

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BASF Safety data sheet according to UN GHS 4th rev.

Date / Revised: 02.12.2022

Product: **Selontra®**

Version: 1.0

(ID no. 30662329/SDS\_GEN\_ZA/EN)

Date of print 21.05.2025

## 1. Identification

### Product identifier

**Selontra®**

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

Relevant identified uses: rodenticide, Biocidal product

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

Company:

BASF South Africa (Pty) Ltd  
852 Sixteenth Road  
Midrand  
P O Box 2801  
Halfway House 1685  
SOUTH AFRICA

Telephone: +27 11 203 2400

### Emergency telephone number

National emergency number:

+27 11 203 2420

International emergency number:

Telephone: +49 180 2273-112

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## 2. Hazards Identification

### Classification of the substance or mixture

According to UN GHS criteria

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

## Label elements

### Globally Harmonized System (GHS)

#### Precautionary Statement:

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read carefully and follow all instructions.

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.

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## 3. Composition/Information on Ingredients

### Substances

Not applicable

### Mixtures

#### Chemical nature

Biocidal product, rodenticide, Bait

Contains: Colecalciferol (Content (W/W): 0.075 %)

#### Hazardous ingredients (GHS)

According to UN GHS criteria

Oils, palm

Content (W/W): < 50 %  
CAS Number: 8002-75-3  
EC-Number: 232-316-1

corn oil

Content (W/W): < 30 %  
CAS Number: 8001-30-7

Sucrose

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Content (W/W): < 15 %  
CAS Number: 57-50-1  
EC-Number: 200-334-9

Wheat flour

Content (W/W): < 15 %  
CAS Number: 130498-22-5  
EC-Number: 310-127-6

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## 4. First-Aid Measures

### 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 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.

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## 5. Fire-Fighting Measures

### Extinguishing media

Suitable extinguishing media:  
water spray, foam, dry powder

Unsuitable extinguishing media for safety reasons:

carbon dioxide

### 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.

### Advice for fire-fighters

Special protective equipment:

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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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## 6. Accidental Release Measures

### Personal precautions, protective equipment and emergency procedures

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

### Environmental precautions

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

### 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.

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## 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. When using do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift.

Do not apply in the open – cover bait points or 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 in order to avoid secondary poisoning phenomena.

Protection against fire and explosion:

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

### 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.

Storage stability:

Storage duration: 60 Months

### 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.

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## 8. Exposure Controls/Personal Protection

### Control parameters

#### Components with occupational exposure limits

57-50-1: Sucrose

TWA value 10 mg/m<sup>3</sup>

8001-30-7: corn oil

TWA value 5 mg/m<sup>3</sup>, Respirable fraction

TWA value 10 mg/m<sup>3</sup>

8002-75-3: Oils, palm

TWA value 5 mg/m<sup>3</sup>, Respirable fraction

TWA value 10 mg/m<sup>3</sup>

No occupational exposure limits known.

### Exposure controls

#### Personal protective equipment

Respiratory protection:

Respiratory protection 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

### Information on basic physical and chemical properties

Form: solid  
Colour: grey to green  
Odour: sweetish, faint odour  
Odour threshold:  
Not determined due to potential health hazard by inhalation.

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pH value:	approx. 5 - 7 (1 %(m), 20 °C) (as suspension)	
Melting point:	The product has not been tested.	
Boiling point:	The product has not been tested.	
Flash point:	not applicable, the product is a solid	
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 K <sub>ow</sub> ):	The statements are based on the properties of the individual components.	
<i>Information on: Sucrose</i>		
<i>Partitioning coefficient n-octanol/water (log K<sub>ow</sub>): -3.27</i>		
<i>Literature data.</i>		
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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)

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### Other information

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

SADT: > 75 °C  
Heat accumulation / Dewar 500 ml (SADT, UN-Test H.4, 28.4.4)

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## 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.

### Incompatible materials

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

### Hazardous decomposition products

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

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## 11. Toxicological Information

### 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. 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 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.

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#### 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 organotoxicity 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.

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## 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.

#### *Information on: corn oil*

##### *Toxicity to fish:*

*LC0 3,000 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 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.*

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### **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 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.

### **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.

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## **13. Disposal Considerations**

### **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.

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## **14. Transport Information**

### **Land transport**

ADR

Not classified as a dangerous good under transport regulations

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UN number or ID 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: None known

#### RID

Not classified as a dangerous good under transport regulations  
UN number or ID 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: None known

#### **Inland waterway transport**

##### ADN

Not classified as a dangerous good under transport regulations  
UN number or ID 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: None known

#### Transport in inland waterway vessel

Not evaluated

#### **Sea transport**

##### IMDG

Not classified as a dangerous good under transport regulations  
UN number or ID 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: None known

#### **Air transport**

##### IATA/ICAO

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	Not classified as a dangerous good under transport regulations
UN number or ID 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	None known

### **Maritime transport in bulk according to IMO instruments**

Maritime transport in bulk is not intended.

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## **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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## **16. Other Information**

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. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. 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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