We create chemistry

Safety Data Sheet

1. Identification

Product identifier

SELONTRA® Soft Bait

Recommended uses and restrictions on use (if any)

Recommended use:
Biocidal product; rodenticide, bait.

Restricted use:
Must only be used according to label.

Manufacturer / Supplier

BASF New Zealand Limited
5E City Works Depot,
77 Cook Street
Auckland 1010
NEW ZEALAND
Phone: + 64 9 255 4300
0800 932 273
E-mail address: reception@basf-nz.co.nz

Emergency telephone number

National Poisons Centre: 0800 764 766
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)

2. Hazard Identification

Classification of the substance or mixture

Specific target organ toxicity - repeat exposure : Category 2
Designed for biocidal action

GHS Label Elements, including Precautionary Statements:

Signal Word:
WARNING.

Pictograms:

GHS Hazard Statements
H373 : May cause damage to organs through prolonged or repeated exposure.
: Designed for biocidal action.

GHS Precautionary Statements (Prevention)
P102 : Keep out of reach of children.
P103 : Read label before use.
P260 : Do not breathe mist, vapours and spray.

GHS Precautionary Statements (Response)
P101 : If medical advice is needed, have product container or label at hand.
P314 : Get medical advice if you feel unwell.

GHS Precautionary Statements (Storage)
No specific storage requirements.

GHS Precautionary Statements (Disposal):
P501 : Dispose of contents/container to hazardous or special waste collection point.
Information regarding disposal considerations can be found in section 13.

Other hazards

No other hazards known.
See section 12 - Results of PBT and vPvB assessment.

To avoid risks to human health and the environment, comply with the instructions for use.
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.

3. Composition/Information on Ingredients

Substances
Not applicable

Mixtures
Hazardous ingredients (GHS)
According to UN GHS criteria

Cholecalciferol
Content (W/W): 0.075 %
CAS Number: 67-97-0

Palm oil
Content (W/W): <50 %
CAS Number: 8002-75-3

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

Sucrose
Content (W/W): <15 %
CAS Number: 57-50-1

Wheat flour
Content (W/W): <15 %
CAS Number: 130498-22-5

4. First-Aid Measures

Description of necessary first aid measures

General advice:
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.

Medical advice:
Contact the National Poisons and Hazardous Chemicals Information centre.
Phone 0800 POISON (0800 764 766).

5. Fire-Fighting Measures

Suitable extinguishing media
Water spray, dry powder, foam

Unsuitable extinguishing media for safety reasons
carbon dioxide

Specific hazards
carbon monoxide, carbon dioxide, nitrogen oxides
The substances/groups of substances mentioned can be released in case of fire.

No specific precautions necessary. The substance is non-combustible. Product is not explosive.

Special protective equipment for fire-fighters
Wear self-contained breathing apparatus and chemical-protective clothing.

Precautions for fire-fighters
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.

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

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 away from heat. Protect against moisture. Protect from direct sunlight

8. Exposure Controls/Personal Protection

Control parameters

Occupational exposure limits

Component:	Sucrose
CAS Number:	57-50-1
TWA Value:	10 mg/m^3 (source: ACGIHTLV)
TWA Value:	10 mg/m^3 (source: WES 2023)

Engineering controls

Maintain air concentrations below occupational exposure standards.

Personal protective equipment

Respiratory protection:
Not required.

Hand protection:
Suitable chemical resistant safety gloves (EN 374-1) also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374-1): E.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm) etc.

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
The statements on personal protective equipment in the instructions for use apply when handling crop-protection agents in final-consumer packing. Wearing of closed work clothing is recommended. Store work clothing separately. Keep away from food, drink and animal feeding stuffs.

9. 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^3 (20°C)
Relative vapour density (air):	Not applicable
Solubility in water:	Insoluble
Partitioning coefficient n-octanol/water (log Pow):	Not applicable
Thermal decomposition:	180°C, 270 kJ/kg (onset temperature) 280°C, 30 kJ/kg (onset temperature) Not a substance liable to self-decomposition according to UN transport regulations, Class 4.1
Self-ignition	318.0°C
Self-heating ability:	It is not a substance capable of spontaneous heating according to UN transport regulations class 4.2
Explosion hazard:	Not explosive
Fire promoting properties:	Not fire-propagating
Viscosity, dynamic:	Not applicable, the product is a solid

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.

Thermal decomposition:	180°C, 270 kJ/kg (onset temperature)
Thermal decomposition:	280°C, 30 kJ/kg (onset temperature))
Thermal decomposition:	Not a substance liable to self-decomposition according to UN transport regulations, Class 4.1

Incompatible materials / Substances to avoid
Strong acids, strong bases, strong oxidizing agents

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

11. Toxicological Information

Acute toxicity

Assessment of acute toxicity:
Virtually non-toxic after single ingestion. Virtually non-toxic after a single skin contact. Virtually non-toxic by inhalation.

Experimental/calculated data:

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

Skin Corrosion / Irritation

Assessment of irritating effects:
Not irritating to the skin.

Experimental/calculated data:
Skin corrosion/irritation rabbit: non-irritant

Serious Eye Damage / Irritation

Assessment of irritating effects:
Not irritating to the eyes.

Experimental/calculated data:
Serious eye damage/irritation rabbit: non-irritant.

Respiratory or Skin sensitization

Assessment of sensitization:
There is no evidence of a skin-sensitising potential.

Experimental/calculated data:
Buehler test guinea pig: non-sensitizing.

Germ cell mutagenicity

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

Carcinogenicity

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

Information on: Corn oil
Assessment of carcinogenicity:
A carcinogenic potential cannot be excluded after prolonged exposure to concentrations which can cause organic toxicity
The substance showed tumor-promoting activity in rodents when given at high doses in the diet after pre-treatment with a carcinogenic substance.

Reproductive toxicity

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

Developmental toxicity

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

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
Assessment of repeated dose toxicity:
Prolonged 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.

12. Ecological Information

Ecotoxicity - Aquatic

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 substances/products of a similar structure or composition.

Toxicity to fish:

LC50 (96 h):	>10,000 mg ai/l, *Leuciscus idus*, Cholecalciferol 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.

Aquatic invertebrates:

EC50 (48 h):	>100 mg ai/l, *Daphnia magna*, Cholecalciferol 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.

Aquatic plants:

EC50 (96 h):	>0.17 mg ai/l, *Selenastrum capricornutum*, Cholecalciferol 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.
NOEC (96 h):	0.17 mg ai/l (growth rate), *Pseudokirchneriella subcapitata,* Cholecalciferol 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.

Ecotoxicity - Terrestrial

Assessment of terrestrial toxicity:
The product has not been tested. The statement has been derived from the properties of the substances/products of a similar structure or composition or the active ingredient.

Toxicity to birds:

Acute oral LD50:	no data available

Toxicity to soil organisms:

LC50:	no data available

Toxicity to Pollinators:

LD50 (48h, oral):	no data available
LD50 (48h, contact):	no data available

Persistence and degradability

Assessment biodegradation and elimination (H2O):
The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: Cholecalciferol
Assessment biodegradation and elimination (H2O):
Not readily biodegradable. Poorly 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: Cholecalciferol
Bioaccumulation potential:
Bioconcentration factor: 30 – 48, Fish (calculated)

Mobility in soil

Assessment transport between environmental compartments:
The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: Cholecalciferol
Assessment transport between environmental compartments:
The substance will not evaporate into the atmosphere from the water surface.
Adsorption to solid soil phase is expected.

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

Other ecotoxicological advice:
Do not discharge product into the environment without control.
Do not apply onto or into water.

13. Disposal Considerations

Container:

Triple rinse empty container and add rinsate to the spray tank. Recycle through Agrecovery (0800 247 326, www.agrecovery.co.nz). Do not use container for any other purpose.

Product:

Dispose of this product only by using according to the label or at an approved facility. Do NOT burn product. Do NOT contaminate water with product or used container.
Waste product/packaging may be sent to a suitable incineration plant, observing 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

Commercial transport:

Not classified as dangerous good(s) for Land/rail (ADR/RID), sea (IMDG) and air transport (ICAO/IATA):

Land / Rail / Road (ADR/RID):

Not classified as a dangerous good under ADR/RID Regulations.

Sea transport (IMDG):

Not classified as a dangerous good under IMDG Regulations.

Air transport (IATA / ICAO):

Not classified as a dangerous good under IATA/ICAO Regulations.

15. Regulatory Information

HSNO Approval Number

HSR101268.
See www.epa.govt.nz for approval conditions.

Tolerable Exposure Limit or Environmental Exposure Limit

TEL:	None set
EEL:	None set

Relevant Regulatory Requirements

Qualifications:	Not required
Certified Handler:	Not required
Tracking:	Not required
Record Keeping:	Not required
Restricted to Workplace:	Not applicable
Controlled substance licence:	Not required

ACVM Registration

V009647
See www.foodsafety.govt.nz/acvm for registration conditions.

International Agreements related to the substance such as Montreal Protocol, the Stockholm Convention or Rotterdam Convention

not applicable

16. Other Information

Date of preparation of the SDS

11 December 2023

Key or legend to abbreviations and acronyms used

ACGIH	The American Conference of Governmental Industrial Hygienists
ACVM	Agricultural Compounds and Veterinary Medicines
ADN	International Carriage of Dangerous Goods by Inland Waterways (EU)
ADR/RID	Dangerous Goods for Road / Rail
DG	Dangerous Goods
EC50	Median effective concentration
EEL	Environmental Exposure Limit

EHSM	Environmental Health and Safety Management
EPA	Environmental Protection Authority
EU	European Union
GHS	Globally Harmonised System
ICAO	International Civil Aviation Organisation
IATA	International Air Transport Association
IERG	International Emergency Response Guide
IMDG	International Maritime Dangerous Goods
LD50	Lethal concentration to 50% of the test population
NOEC	No Observed Effect Concentration
N.O.S.	Not Otherwise Specified
OEL	Operator Exposure Limits
PBT or vPvP	Persistent / Bioaccumulative / Toxic or very Persistent / very Bioaccumulative
SDS	Safety Data Sheet
STOT	Specific Target Organ Toxicity
TDG	Transportation of Dangerous Goods
TEL	Tolerable Exposure Limit
TLVs	Threshold Limit Values
UN GHS	United Nations Globally Harmonised System
WES	Workplace Exposure Standards
49CFR	Code of Federal Regulations Title 49 for Transportation

For proper and safe use of this product, please refer to the approval conditions laid down on the product label.

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.