Selontra® Rodent Bait

This product may only be used inside and within 100 feet of man-made structures or inside and around/outside of transport vehicles (aircraft, ships, trains, and trucks).

Kills Norway Rats, Roof Rats, and House Mice

- Dead rodents begin appearing after 3 days
- Soft Bait formula
- Kills anticoagulant-resistant Norway rats and house mice

Read the entire label before using this product. Follow all **Directions For Use** and **Precautionary Statements**. Use only for the sites, pests, and application methods described on this label.

ACTIVE INGREDIENT:

Cholecalciferol	0.075%
OTHER INGREDIENTS [†] :	99.925%
TOTAL:	100.000%

[†]Contains denatonium benzoate (Bitrex®)

EPA Reg. No. 7969-382

EPA Est. No.

CAUTION/PRECAUCION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand this label, find someone to explain it to you in detail.)

See side and back panels/attached booklet for **First Aid**, **Precautionary Statements**, **Directions For Use**, **Conditions of Sale and Warranty**, and state-specific use site restrictions.

In case of an emergency endangering life or property involving this product, call day or night 1-800-832-HELP (4357).

*Not registered for use in California on the following species: Cotton rat, Eastern harvest mouse, Golden mouse, Meadow vole, Mexican woodrat, Polynesian rat, Southern plains woodrat, and White-throated woodrat.

NET WEIGHT:



FIRST AID			
If swallowed	 Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. DO NOT induce vomiting unless told to do so by a poison control center or doctor. DO NOT give anything to an unconscious person. 		
If in eyes	 Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes; then continue rinsing. Call a poison control center or doctor for treatment advice. 		
If on skin	 Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice. 		

Note to Physician: Cholecalciferol causes hypercalcemia. Treat symptomatically. Treatment would include a low calcium diet, a high salt and fluid intake, and avoidance of exposure to sunlight. Monitoring serum calcium levels may aid treatment. Cortisone has been used successfully in some cases (reference, AMA Drug Evaluations, Third Edition (1977), Chapter 16, pp. 248-251).

Treatment for Pet or Non-target Animal Poisoning: Call veterinarian immediately if a pet or other non-target animal consumes this product.

Note to Veterinarians: Calcium Mobilizer Cholecalciferol: For animals ingesting bait, induce vomiting by using hydrogen peroxide or administration of activated charcoal with a cathartic. If clinical signs develop, treatment consisting of saline diuresis combined with the use of furosemide, corticosteroids, and phosphate binders are recommended. Calcitonin or pamidronate may be needed for animals that remain hypercalcemic despite symptomatic treatments.

HOTLINE NUMBER

Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact BASF Corporation for emergency medical treatment information: 1-800-832-HELP (4357).

Precautionary Statements

Hazards to Humans and Domestic Animals

CAUTION. Harmful if swallowed or absorbed through skin. Keep away from children, domestic animals, and pets. Keep away from food, drink, and animal feedstuffs. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

Personal Protective Equipment (PPE)

Applicators and other handlers must wear the following: socks, shoes, and gloves.

NOTE: Any person who retrieves rodent carcasses or unused bait following application of this product must wear gloves.

User Safety Requirements

Follow the manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product.
 Wash the outside of gloves before removing them. As soon as possible, wash thoroughly and change into clean clothing.

Environmental Hazards

This product is toxic to fish, birds, and other wildlife. Dogs and other predatory and scavenging mammals and birds might be poisoned if they feed upon rodents or other animals that have eaten this bait.

DO NOT apply this product directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark.

Directions For Use

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

DO NOT expose children, pets, or non-target animals to rodenticides. To help prevent accidents:

- 1. Store unused product in original container out of reach of children and pets.
- 2. **DO NOT** eat, drink, or smoke while using this product.
- 3. Make applications in areas out of the reach of children, pets, domestic animals, and non-target wildlife, or place bait in tamper-resistant bait stations. Stations must be resistant to destruction by dogs and by children under six years of age and must be used in a manner that prevents such children from reaching into bait compartments and obtaining bait. If bait can be shaken from bait stations when lifted, units must be secured or otherwise immobilized. Stronger bait stations are needed in areas open to hoofed livestock, raccoons, bears, or other potentially destructive animals, or in areas prone to vandalism.
- 4. Dispose of product container and unused, spoiled, or unconsumed bait as specified on this label.

Bait stations are mandatory for outdoor, aboveground use. Tamper-resistant bait stations must be used wherever children, pets, non-target mammals, or birds may have access to the bait placement location.

Use Restrictions

All species not registered for use in California. See footnote for details.

This product may only be used to control the following pests: House mouse (Mus musculus), Norway rat (Rattus norvegicus), and Roof rat (Rattus rattus). Cotton rats* (Sigmodon spp.), Eastern harvest mouse* (Reithrodontomys humuli), Golden mouse* (Ochrotomys nuttalli), Meadow vole* (Microtus pennsylvanicus), Mexican woodrat* (Neotoma mexicana), Polynesian rat* (Rattus exulans), Southern plains woodrat* (Neotoma micropus), and White-throated woodrat* (Neotoma albigula).

This product may only be used inside and within 100 feet of man-made structures or inside and around/outside of transport vehicles (aircraft, ships, trains, and trucks). Examples:

- In and around homes and other permanent or temporary residences, industrial and commercial buildings, and similar man-made structures;
- In and around agricultural buildings, including but not limited to swine, poultry, cattle, equine and dairy facilities; warehouses; food storage areas and food processing facilities;
- In and around docks and port or terminal buildings, public buildings, trash receptacles, transport vehicles (aircraft, ships, trains, and trucks), and alleys.

DO NOT use this product in sewers.

DO NOT broadcast bait.

DO NOT place bait near or inside ventilation duct openings.

DO NOT contaminate water, food, feed, food- or feed-handling equipment, milk- or meat-handling equipment, or surfaces that come into direct contact with food.

DO NOT sell this product in individual containers holding less than 4 pounds of bait. It is illegal to sell soft baits individually.

*Not registered for use in California on the following species: Cotton rat, Eastern harvest mouse, Golden mouse, Meadow vole, Mexican woodrat, Polynesian rat, Southern plains woodrat, and White-throated woodrat.

Application Instructions

Selection of Treatment Areas: Determine areas where rats, mice, or meadow voles* will most likely find and consume the bait. These areas typically are along walls, near gnawed openings or burrows, in corners and concealed places, and in other locations where signs of rats, mice, or meadow voles* have been observed. Protect bait from rain and snow. Remove as many alternative food sources as possible to limit competition with the bait.

Baiting:

- House Mice: Use one wrapped soft bait per placement. Space placements at intervals of 8 to 12 feet in infested areas. Up to 2 soft baits may be used at points of very high house mouse activity. Maintain an uninterrupted supply of fresh bait for at least 15 days or until there no longer are fresh signs that house mice are feeding on the bait.
- Norway Rats and Roof Rats: Use 2 to 8 wrapped soft baits per placement. Space placements at intervals of 15 to 30 feet in infested areas. Maintain an uninterrupted supply of fresh bait for at least 7 days or until there no longer are fresh signs that Norway rats or roof rats are feeding on the bait.
- Eastern harvest mice*, Golden mice*, and Meadow voles*: Follow instructions for house mice.
- Cotton rats*, Mexican woodrats*, Polynesian rats*, Southern plains woodrats*, and White-throated woodrats*: Follow instructions for Norway rats and roof rats.

Follow-up: After initial bait placement, ensure an uninterrupted supply of bait is available for 15 days for mice or meadow voles* and 7 days for rats. Replace contaminated or spoiled bait immediately. If bait has been completely removed, replenish placements with 1 or 2 soft baits for mice or meadow voles* and 4 to 8 soft baits for rats. Wearing water proof gloves, collect and dispose of all visible dead rodents and left over bait. Where a continuous source of infestation is present, establish permanent bait stations and monitor them regularly. To discourage infestation, limit sources of food, water, and harborage as much as possible.

* Not registered for use in California on the following species: Cotton rat, Eastern harvest mouse, Golden mouse, Meadow vole, Mexican woodrat, Polynesian rat, Southern plains woodrat, and White-throated woodrat.

STORAGE AND DISPOSAL

DO NOT contaminate water, food, or feed by storage or disposal.

Pesticide Storage

Store only in original container in a cool, dry place inaccessible to children and pets and away from items with an odor that might negatively impact the palatability of the bait. Keep container closed and away from other chemicals.

Pesticide Disposal

Wastes resulting from the use of this product may be placed in trash or delivered to an approved waste disposal facility. If these wastes cannot be disposed of according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representatives at the nearest EPA Regional Office for guidance.

Container Handling

Non-refillable container. DO NOT reuse or refill this container. Offer container for recycling, if available, or reconditioning, if appropriate; or puncture and dispose of container in a sanitary landfill, or by incineration, or by other procedures approved by State and local authorities. DO NOT burn container unless allowed by State and local ordinances.

In Case of Emergency

In case of large-scale spill of this product, call:

• CHEMTREC 1-800-424-9300

• BASF Corporation 1-800-832-HELP (4357)

In case of medical emergency regarding this product, call:

- Your local doctor for immediate treatment
- Your local poison control center (hospital)
- BASF Corporation 1-800-832-HELP (4357)

Conditions of Sale and Warranty

The **Directions For Use** of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and must be followed carefully. However, it is impossible to eliminate all risks inherently associated with the use of this product. Ineffectiveness or other unintended consequences may result because of such factors as environmental conditions, presence of other materials, or use of the product in a manner inconsistent with its labeling, all of which are beyond the control of BASF CORPORATION ("BASF") or the Seller. To the extent consistent with applicable law, all such risks shall be assumed by the Buyer. BASF warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the **Directions For Use**. subject to the inherent risks, referred to above. TO THE **EXTENT CONSISTENT WITH APPLICABLE LAW: (A) BASF MAKES NO OTHER WARRANTIES EXPRESS** OR IMPLIED, INCLUDING WARRANTIES OF FITNESS FOR PARTICULAR PURPOSE OR MERCHANTABILITY, (B) BUYER'S EXCLUSIVE REMEDY AND BASF'S AND SELLER'S EXCLUSIVE LIABILITY, WHETHER IN CONTRACT, TORT, NEGLIGENCE, STRICT LIABILITY, OR OTHERWISE, SHALL BE LIMITED TO REPAYMENT OF THE PURCHASE PRICE OF THE PRODUCT, AND (C) BASF AND THE SELLER DISCLAIM ANY LIABILITY FOR CONSEQUENTIAL, INCIDENTAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. BASF and the Seller offer this product, and the Buyer and User accept it, subject to these Conditions of Sale and Warranty which may be varied only by agreement in writing signed by a duly authorized representative of BASF. PCS915

Selontra is a registered trademark of BASF. **Bitrex** is a registered trademark of Macfarlan Smith.

© 2017 BASF Corporation All rights reserved.

007969-00382.20170417.**NVA 2017-04-517-0076**

Based on: NVA 2015-04-517-0089

BASF Corporation 26 Davis Drive Research Triangle Park, NC 27709





Revision date : 2017/09/15 Page: 1/11

Version: 3.0 (30677351/SDS_CPA_US/EN)

1. Identification

Product identifier used on the label

SELONTRA RODENT BAIT

Recommended use of the chemical and restriction on use

Recommended use*: rodenticide

Details of the supplier of the safety data sheet

Company:

BASF CORPORATION 100 Park Avenue Florham Park, NJ 07932, USA

Telephone: +1 973 245-6000

Emergency telephone number

CHEMTREC: 1-800-424-9300

BASF HOTLINE: 1-800-832-HELP (4357)

Other means of identification

Substance number: 711620 EPA Registration number: 7969-382

2. Hazards Identification

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

Classification of the product

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

Label elements

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

^{*} The "Recommended use" identified for this product is provided solely to comply with a Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

Revision date: 2017/09/15 Page: 2/11 Version: 3.0 (30677351/SDS_CPA_US/EN)

Hazards not otherwise classified

Labeling of special preparations (GHS):

May produce an allergic reaction. Contains: 1,2-benzisothiazol-3(2H)-one

3. Composition / Information on Ingredients

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

CAS Number	<u>Weight %</u>	Chemical name
67-97-0	0.075 %	cholecalciferol
2634-33-5	< 0.1%	1,2-benzisothiazol-3(2H)-one
8002-75-3	< 20.0%	Palm oil
57-50-1	< 20.0%	Sucrose
8001-30-7	< 10.0%	Corn oil

4. First-Aid Measures

Description of first aid measures

General advice:

Remove contaminated clothing.

If inhaled:

Keep patient calm, remove to fresh air.

If on skin:

Wash thoroughly with soap and water.

If in eyes:

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

If swallowed:

Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention.

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

Note to physician

Treatment: Symptomatic treatment (decontamination, vital functions).

5. Fire-Fighting Measures

Extinguishing media

Suitable extinguishing media: water spray, dry powder, foam

Revision date : 2017/09/15 Page: 3/11 Version: 3.0 (30677351/SDS_CPA_US/EN)

Unsuitable extinguishing media for safety reasons: carbon dioxide

Special hazards arising from the substance or mixture

Hazards during fire-fighting:

carbon monoxide, carbon dioxide, nitrogen oxides

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

Advice for fire-fighters

Protective equipment for fire-fighting:

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

Further information:

Keep containers cool by spraying with water if exposed to fire. In case of fire and/or explosion do not breathe fumes. 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

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.

7. Handling and Storage

Precautions for safe handling

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. Do not apply in the open – cover bait points or use bait boxes.

RECOMMENDATIONS ARE FOR MANUFACTURING, COMMERCIAL BLENDING, AND PACKAGING WORKERS. PESTICIDE APPLICATORS & WORKERS must refer to the Product Label and Directions for Use attached to the product. Provide good ventilation of working area (local exhaust ventilation if necessary). Keep away from sources of ignition - No smoking. Keep container tightly sealed. Protect against heat. Handle and open container with care. Do not open until ready to use. Once container is opened, content should be used as soon as possible. Provide means for controlling leaks and spills. Follow label warnings even after container is emptied. The substance/product may be handled only by appropriately trained personnel. Avoid all direct contact with the substance/product. Avoid contact with the skin, eyes and clothing. Avoid inhalation of dusts/mists/vapours. Wear suitable personal protective clothing and equipment.

Protection against fire and explosion:

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

Revision date : 2017/09/15 Page: 4/11 Version: 3.0 (30677351/SDS_CPA_US/EN)

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

8. Exposure Controls/Personal Protection

Users of a pesticidal product should refer to the product label for personal protective equipment requirements.

Components with occupational exposure limits

Sucrose OSHA PEL PEL 15 mg/m3 Total dust ; PEL 5 mg/m3

Respirable fraction; TWA value 15 mg/m3 Total dust; TWA value 5 mg/m3 Respirable

fraction;

ACGIH TLV TWA value 10 mg/m3;

Corn oil OSHA PEL PEL 5 mg/m3 Respirable fraction; PEL 15

mg/m3 Total dust; TWA value 15 mg/m3 Total dust; TWA value 5 mg/m3 Respirable fraction

;

Palm oil OSHA PEL PEL 5 mg/m3 Respirable fraction; PEL 15

mg/m3 Total dust; TWA value 15 mg/m3 Total dust; TWA value 5 mg/m3 Respirable fraction

;

Personal protective equipment

RECOMMENDATIONS FOR MANUFACTURING, COMMERCIAL BLENDING, AND PACKAGING WORKERS:

Respiratory protection:

Wear respiratory protection if ventilation is inadequate. Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator. For situations where the airborne concentrations may exceed the level for which an air purifying respirator is effective, or where the levels are unknown or Immediately Dangerous to Life or Health (IDLH), use NIOSH-certified full facepiece pressure demand self-contained breathing apparatus (SCBA) or a full facepiece pressure demand supplied-air respirator (SAR) with escape provisions.

Hand protection:

Chemical resistant protective gloves, Protective glove selection must be based on the user's assessment of the workplace hazards.

Eye protection:

Safety glasses with side-shields. Tightly fitting safety goggles (chemical goggles). Wear face shield if splashing hazard exists.

Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. head protection, apron, protective boots, chemical-protection suit.

Revision date : 2017/09/15 Page: 5/11 Version: 3.0 (30677351/SDS_CPA_US/EN)

General safety and hygiene measures:

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 Odour: faint, sweetish

Odour threshold: Not determined due to potential health hazard by inhalation.

Colour: grey to green approx. 5.5 - 7.5 (1 %(m), 20 °C)

Melting temperature: not applicable

boiling temperature: The product has not been tested.

Flash point: > 100 °C

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: The product has not been tested.

Density: approx. 1.33 g/cm3

(20°C)

Vapour density: not applicable Partitioning coefficient n- not applicable

octanol/water (log Pow):

Self-ignition Based on its structural properties the temperature: product is not classified as self-

igniting.

Thermal decomposition: No decomposition if stored and handled as

prescribed/indicated.

Viscosity, dynamic: not applicable, the product is a solid

Solubility in water: dispersible Evaporation rate: not applicable

Other Information: If necessary, information on other physical and chemical

parameters is indicated in this section.

10. Stability and Reactivity

Reactivity

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

Oxidizing properties:

Based on its structural properties the product is not classified as oxidizing.

Chemical stability

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

Revision date: 2017/09/15 Page: 6/11 Version: 3.0 (30677351/SDS_CPA_US/EN)

Possibility of hazardous reactions

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

Conditions to avoid

See MSDS section 7 - Handling and storage.

Incompatible materials

strong acids, strong bases, strong oxidizing agents

Hazardous decomposition products

Decomposition products:

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

Thermal decomposition:

No decomposition if stored and handled as prescribed/indicated.

11. Toxicological information

Primary routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

Acute Toxicity/Effects

Acute toxicity

Assessment of acute toxicity: Virtually nontoxic after a single ingestion. Virtually nontoxic by inhalation. Virtually nontoxic after a single skin contact.

<u>Oral</u>

Type of value: LD50

Species: rat

Value: > 5,000 mg/kg

Inhalation

Type of value: LC50

Species: rat

Value: > 1.78 mg/l

No mortality was observed. Highest concentration available for testing.

Dermal

Type of value: LD50

Species: rat

Value: > 5,000 mg/kg

Assessment other acute effects

Assessment of STOT single:

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

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

Irritation / corrosion

Revision date: 2017/09/15 Page: 7/11 Version: 3.0 (30677351/SDS_CPA_US/EN)

Assessment of irritating effects: Not irritating to the skin. Not irritating to the eyes.

<u>Skin</u>

Species: rabbit Result: non-irritant

Eye

Species: rabbit Result: non-irritant

Sensitization

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

Buehler test

Species: guinea pig Result: Non-sensitizing.

Chronic Toxicity/Effects

Repeated dose toxicity

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: 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.

Genetic toxicity

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.

Teratogenicity

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.

Other Information

Misuse can be harmful to health.

Symptoms of Exposure

No significant reaction of the human body to the product known.

Revision date : 2017/09/15 Page: 8/11 Version: 3.0 (30677351/SDS_CPA_US/EN)

12. Ecological Information

Toxicity

Aquatic 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.

Toxicity to fish

Information on: cholecalciferol

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.

Aquatic invertebrates

Information on: cholecalciferol

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.

Aquatic plants

Information on: cholecalciferol

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.

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.

Assessment biodegradation and elimination (H2O)

Information on: cholecalciferol

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

Bioaccumulative potential

Revision date: 2017/09/15 Page: 9/11 Version: 3.0 (30677351/SDS_CPA_US/EN)

Assessment bioaccumulation potential

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

Assessment bioaccumulation potential

Information on: cholecalciferol

Accumulation in organisms is not to be expected.

Mobility in soil

Assessment transport between environmental compartments

No data available.

Additional information

Other ecotoxicological advice:

Must not be discharged into the environment.

13. Disposal considerations

Waste disposal of substance:

Pesticide wastes are regulated. If pesticide wastes cannot be disposed of according to label instructions, contact the State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Container disposal:

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

14. Transport Information

Land transport

USDOT

Not classified as a dangerous good under transport regulations

Sea transport

IMDG

Not classified as a dangerous good under transport regulations

Air transport IATA/ICAO

Not classified as a dangerous good under transport regulations

15. Regulatory Information

Federal Regulations

Registration status:

Crop Protection TSCA, US released / exempt

Revision date : 2017/09/15 Page: 10/11 Version: 3.0 (30677351/SDS_CPA_US/EN)

Chemical TSCA, US blocked / not listed

EPCRA 311/312 (Hazard categories): Refer to SDS section 2 for GHS hazard classes applicable for this product.

State regulations

State RTK	CAS Number	Chemical name
PA	57-50-1	Sucrose
	8001-30-7	Corn oil
	8002-75-3	Palm oil

Labeling requirements under FIFRA

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label.

CAUTION:

KEEP OUT OF REACH OF CHILDREN.
KEEP OUT OF REACH OF DOMESTIC ANIMALS.
HARMFUL IF SWALLOWED.
HARMFUL IF ABSORBED THROUGH SKIN.
Wash thoroughly after handling.

16. Other Information

SDS Prepared by:

BASF NA Product Regulations SDS Prepared on: 2017/09/15

We support worldwide Responsible Care® initiatives. We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.

IMPORTANT: WHILE THE DESCRIPTIONS, DESIGNS, DATA AND INFORMATION CONTAINED HEREIN ARE PRESENTED IN GOOD FAITH AND BELIEVED TO BE ACCURATE, IT IS PROVIDED FOR YOUR GUIDANCE ONLY. BECAUSE MANY FACTORS MAY AFFECT PROCESSING OR APPLICATION/USE, WE RECOMMEND THAT YOU MAKE TESTS TO DETERMINE THE SUITABILITY OF A PRODUCT FOR YOUR PARTICULAR PURPOSE PRIOR TO USE. NO WARRANTIES OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED OR DESIGNS, DATA OR INFORMATION SET FORTH, OR THAT THE PRODUCTS, DESIGNS, DATA OR INFORMATION MAY BE USED WITHOUT INFRINGING THE INTELLECTUAL PROPERTY RIGHTS OF OTHERS. IN NO CASE

Revision date : 2017/09/15 Page: 11/11 Version: 3.0 (30677351/SDS_CPA_US/EN)

SHALL THE DESCRIPTIONS, INFORMATION, DATA OR DESIGNS PROVIDED BE CONSIDERED A PART OF OUR TERMS AND CONDITIONS OF SALE. FURTHER, YOU EXPRESSLY UNDERSTAND AND AGREE THAT THE DESCRIPTIONS, DESIGNS, DATA, AND INFORMATION FURNISHED BY OUR COMPANY HEREUNDER ARE GIVEN GRATIS AND WE ASSUME NO OBLIGATION OR LIABILITY FOR THE DESCRIPTION, DESIGNS, DATA AND INFORMATION GIVEN OR RESULTS OBTAINED, ALL SUCH BEING GIVEN AND ACCEPTED AT YOUR RISK. END OF DATA SHEET