

SPECIMEN

Trelona® ATBS

Annual Bait Stations

- For use by individuals/firms licensed or registered by the state to apply termiticide products. States may have more restrictive requirements regarding qualifications of persons using this product. Consult the structural pest control regulatory agency of your state prior to use of this product with questions you may have.
- A termite bait that may be used in an integrated management program for the protection of structures against subterranean termites.

ACTIVE INGREDIENT:

Novaluron: 1-[3-chloro-4-(1,1,2-trifluoro-2-trifluoro-methoxyethoxy) phenyl]-3-(2,6-difluorobenzoyl) urea 0.50%

OTHER INGREDIENTS: 99.50%

TOTAL: 100.00%

Contains 0.5 grams of novaluron per 100 grams of formulation
 U.S. Patent No. 8,720,108

EPA Reg. No. 499-557

EPA Est. No.

**KEEP OUT OF REACH OF CHILDREN
 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 the label, find someone to explain it to you in detail.)

Refer to full label 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).

NET WEIGHT:

FIRST AID

If in eyes

- Hold eyes 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.

HOTLINE NUMBER

Have the product container or label with you when calling a poison control center or doctor or going for treatment. For non-emergency general information on this pesticide product (including health concerns or pesticide incidents), you may call 1-800-832-HELP (4357), 24 hours per day, 7 days per week.

Precautionary Statements

Hazards to Humans and Domestic Animals

CAUTION. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

Environmental Hazards

The active ingredient in this product is extremely toxic to aquatic invertebrates. **DO NOT** place in any area where, because of the movement of water, it could be washed into a body of water containing aquatic life, such as ponds or streams.

Directions For Use

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

Read the **Use Directions** carefully before using this product. This product is part of a termite baiting system and is intended for use in BASF approved bait stations which may be purchased from most professional pest control product distributors. Use of this bait in any other type of station or system not approved by BASF is prohibited. Call 1-800-777-8570 for assistance in using this product or any other components of the termite baiting system.

When inspected and replenished per label **Use Directions**, this product provides on-going structural protection through colony elimination; however, conditions or circumstances beyond the control of the user (competing insects, flooding events, cold weather, presence of alternative food sources, etc.) may alter the time needed to achieve structural protection.

STORAGE AND DISPOSAL

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

Pesticide Storage

Store in a cool, dry (preferably locked) area, in a place that is inaccessible to children and animals.

Pesticide Disposal

Product not disposed of by use according to label directions should be wrapped in paper and placed in a trash can. If these wastes cannot be disposed of according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Container Handling

Nonrefillable container. DO NOT reuse or refill this container. Offer for recycling if available. If recycling is not available, place container in trash.

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)

Station Installation

Install stations around a structure such that, except where sufficient access to the ground is not available, the maximum interval between any two stations does not exceed 20 feet. If the distance between 2 points of accessible ground around the structure exceeds 30 feet, it may be advisable to form 1 or more openings in the inaccessible surface to facilitate baiting between the accessible areas.

To install a station, excavate a hole in the ground approximately the same size and dimensions as those of the station. Insert the station and maximize contact between the exterior of the station and the soil. This will increase the probability of termite entrance into the station. If the station is inserted into an opening created through a hardened construction surface (such as concrete, asphalt, etc.), insert station below the surface (in contact with the ground) and seal securely.

Install stations within approximately 5 feet of points of known, probable, or suspected termite foraging activity and in other areas that provide conditions conducive to termite activity. Such areas may include concentrations of cellulose-containing debris in contact with the ground, such as mulch, wood scraps, areas of moderate soil moisture, shaded areas, areas containing plant root systems, bath traps, visible termite foraging tubes, or other evidence of termite activity or conducive conditions. Relocate or modify the station location to prevent water from collecting in the station by, for example, creating a sump area under the installed station or at the bottom of the cavity. If termites have permanently abandoned the station due to excessive moisture, remove the saturated bait and re-bait the station with fresh bait at that time or after the excess moisture condition has abated.

If the structure has an accessible crawl space, stations can be installed in the crawl space in lieu of or in addition to installing stations around the structure; however, either the interior or the exterior of the crawl space must contain a complete set of stations, as defined by this label. Stations can be installed within a slab structure in existing or created openings in the slab surface through which ground is accessible and into which the station can be installed in a secure manner.

Once termite activity has occurred at a station and bait consumption has begun, it may be advisable, depending on the rate of bait consumption in that station and nearby stations, to install 1 or more supplemental stations in the immediate vicinity (up to 5 feet) of the infested station(s) in order that bait consumption by the colony be maximized.

Use Directions

Pre-construction Use

In Florida, for use as a stand-alone preventative treatment for new construction, use two 124 gram cartridges in every bait station around structure.

This product can be used for preventative treatment (before signs of infestation) of new structures (as a substitute for, and in lieu of, pre-construction soil treatment).

Place stations around the outside of the structure only after the final exterior grade is established (and preferably after landscaping is completed).

Post-construction Use

This product can be used for remedial treatment of infested existing structures or for preventative treatment (before signs of infestation) of existing structures.

Pre-baiting

Pre-baiting is a process by which termite activity is established at a location prior to the application of bait at that location. Use BASF approved pre-bait to establish activity in the station. Inspect pre-baited stations every 120 days. Inspections cannot take place more than 30 days beyond the required interval unless cold temperatures persist (average daily mean exterior air temperature below 50°F). Termite feeding activity is typically reduced under low temperature conditions making it difficult to accurately assess termite activity. The operator should always make allowances for local circumstances when considering increasing elapsed time between inspections. If there is termite activity in a pre-baited station, make bait continuously available for colony consumption by removing the pre-bait and placing this product in the station. Refer to **Table 1. Baiting Inspection Intervals** for details.

Direct Baiting

This product can be placed in stations at any time prior to termite activity (direct baiting), with or without the presence of termites. Refer to **Table 1. Baiting Inspection Intervals** for details.

Table 1. Baiting Inspection Intervals

Inspection Interval	Cartridges Required
120 Days*	One 124 gram cartridge
Annual	Every bait station must contain: Two 124 gram cartridges

Inspection intervals must comply with state regulations where applicable.

Shorter inspection intervals may be warranted if termite activity indicates complete consumption of the bait in a station before the scheduled inspection.

Inspections cannot take place more than 30 days beyond the required interval unless cold temperatures persist (average daily mean exterior air temperature below 50°F). Termite feeding activity is typically reduced under low temperature conditions making it difficult to accurately assess termite activity. The operator should always make allowances for local circumstances when considering increasing elapsed time between inspections.

- **DO NOT** allow more than 6 months to pass between inspections for the 120 day inspection interval.
- **DO NOT** allow more than 15 months to pass between inspections for the annual inspection interval.

* After feeding has stopped, and there has been no activity for one year, inspect the stations every 6 months.

Inspecting Stations and Replacing Bait

To inspect a station, remove the cover and visually examine the cartridges for the presence of termites, being careful to minimize disturbance in the case that termites are present. If it appears that >1/3 of a bait cartridge in the station has been consumed, replace that cartridge with a new cartridge. If termites are not present, inspect bait for excessive decay. Replace excessively decayed bait and securely close the station cover.

Transitioning from 120 Day to Annual Inspection Interval in Baited Stations

Alternatively, baited stations on a 120 day inspection interval may be switched to an annual inspection interval if all contents are removed from the stations and replaced with two **Trelona® Compressed Termite Bait** cartridges. All stations around the structure must contain two **Trelona Compressed Termite Bait** cartridges or the inspection period cannot exceed 120 days. Inspection of bait treatments made with this product must be done according to the inspection intervals listed in **Table 1. Baiting Inspection Intervals**.

Non-structure Spot Treatment

This product can also be applied or used as a spot treatment in areas not associated with structures or buildings, such as around trees, wood piles, landscaping elements, railroad track beds, at the edge of property lines and other areas where termite activity is known or suspected. Such treatments may be made alone or in combination with an additional method of termiticide treatment. To provide a non-structure spot treatment, install one or more bait station(s) in the soil at or near points of known or suspected termite activity. Non-structure spot treatment baiting may be discontinued at any time at the discretion of the applicator. Inspection of bait treatments made with this product must be done according to the inspection intervals listed in **Table 1. Baiting Inspection Intervals**.

Supplemental Treatments

If a soil-applied liquid or granular termiticide treatment is performed in conjunction with installation of the bait system, **DO NOT** treat the area where stations are installed (preferably not within 2 feet of stations). Because the use of bait may be a multi-step process, localized treatment using soil applied termiticide to the structure infested with active termites at the time of baiting may provide more immediate control of termites in those parts of the structure. Preventative spot treatments to critical areas of soil or wood may be performed in conjunction with station installation. **DO NOT** treat directly on top of installed stations with a repellent insecticide during routine general pest or perimeter applications.

This product can be applied or used as a supplemental treatment in, underneath, and around structures or buildings to kill termites in support of or as a supplement to a termiticide product labeled for and applied as a stand-alone termiticide treatment. This includes pre- and post-construction soil termiticide treatments labeled for providing structural protection. This product may also be used in combination with an additional termiticide treatment as a supplemental treatment in areas not associated with structures or buildings, such as around trees, wood piles, landscaping elements, railroad track beds, and other areas where termite activity is known or suspected. Inspection of bait treatments made with this product must be done according to the inspection intervals listed in **Table 1. Baiting Inspection Intervals**.

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

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We create chemistry

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1. Identification

Product identifier used on the label

Trelona ATBS Annual Bait Stations

Recommended use of the chemical and restriction on use

Recommended use*: crop protection product, insecticide

* 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.

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

24 Hour Emergency Response Information

CHEMTREC: 1-800-424-9300
BASF HOTLINE: 1-800-832-HELP (4357)

Other means of identification

Substance number: 545075
Registration number: EPA Registration number: 499-557
Synonyms: Novaluron

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.

Hazards not otherwise classified

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Labeling of special preparations (GHS):

This product is not combustible in the form in which it is shipped by the manufacturer, but may form a combustible dust through downstream activities (e.g. grinding, pulverizing) that reduce its particle size.

3. Composition / Information on Ingredients

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

Benzamide, N-[[[3-chloro-4-[1,1,2-trifluoro-2-(trifluoromethoxy)ethoxy]phenyl]amino]carbonyl]-2,6-difluoro-

CAS Number: 116714-46-6
Content (W/W): 0.5 %
Synonym: RIMON TECHNICAL

Microcrystalline cellulose

CAS Number: 9004-34-6
Content (W/W): > 95.0%
Synonym: Cellulose, hydrolyzate

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:

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

Indication of any immediate medical attention and special treatment needed

Note to physician

Treatment: Symptomatic treatment (decontamination, vital functions).

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5. Fire-Fighting Measures

Extinguishing media

Suitable extinguishing media:
water spray, dry powder, foam

Unsuitable extinguishing media for safety reasons:
water jet, carbon dioxide

Special hazards arising from the substance or mixture

Hazards during fire-fighting:

hydrogen fluoride, carbon dioxide, nitrogen oxides, acid halides

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:

Evacuate area of all unnecessary personnel. Contain contaminated water/firefighting water. Do not allow to enter drains or waterways. Dusty conditions may ignite explosively in the presence of an ignition source causing flash fire.

6. Accidental release measures

Further accidental release measures:

Avoid dispersal of dust in the air (e.g. by clearing dusty surfaces with compressed air). Avoid the formation and build-up of dust - danger of dust explosion. Dust in sufficient concentration can result in an explosive mixture in air. Handle to minimize dusting and eliminate open flame and other sources of ignition.

Personal precautions, protective equipment and emergency procedures

Use personal protective clothing. Avoid contact with the skin, eyes and clothing. Remove contaminated clothes, undergarments and shoes immediately. Information regarding personal protective measures, see section 8.

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: Pick up with suitable appliance and dispose of. Pick up with suitable absorbent material (e.g. sand, sawdust, general-purpose binder, kieselguhr). Contain with dust binding material and dispose of.

Cleaning operations should be carried out only while wearing breathing apparatus. 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

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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 for Agricultural Use Requirements in accordance with the EPA Worker Protection Standard 40 CFR part 170. Ensure adequate ventilation. Provide good ventilation of working area (local exhaust ventilation if necessary). Keep away from sources of ignition - No smoking. Keep container tightly sealed. Protect contents from the effects of light. Protect against heat. Protect from air. 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. Avoid dust formation. Do not return residues to the storage containers. 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:

The relevant fire protection measures should be noted. Fire extinguishers should be kept handy. Avoid all sources of ignition: heat, sparks, open flame. Sources of ignition should be kept well clear. Avoid extreme heat. Keep away from oxidizable substances. Electrical equipment should conform to national electric code. Ground all transfer equipment properly to prevent electrostatic discharge. Electrostatic discharge may cause ignition. Avoid dust formation. Dust in sufficient concentration can result in an explosive mixture in air. Handle to minimize dusting and eliminate open flame and other sources of ignition. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres. Refer to NFPA 654, Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids (2013 Edition) for safe handling.

Conditions for safe storage, including any incompatibilities

Segregate from foods and animal feeds.

Further information on storage conditions: Keep only in the original container in a cool, dry, well-ventilated place away from ignition sources, heat or flame. Protect containers from physical damage. Protect against contamination. The authority permits and storage regulations must be observed. Protect from temperatures above: 40 °C
Changes in the properties of the product may occur if substance/product is stored above indicated temperature for extended periods of time.

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

Microcrystalline cellulose	ACGIH, US:	TWA value 10 mg/m ³ ;
	OSHA Z1:	PEL 5 mg/m ³ Respirable fraction ;
	OSHA Z1:	PEL 15 mg/m ³ Total dust ;

Advice on system design:

Whenever possible, engineering controls should be used to minimize the need for personal protective equipment. It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion suppression system or an oxygen deficient environment. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are

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designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment). Use only appropriately classified electrical equipment and powered industrial trucks.

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).

Body protection:

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

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. Personal protective equipment should be decontaminated prior to reuse. Gloves must be inspected regularly and prior to each use. Replace if necessary (e.g. pinhole leaks). Take off immediately all contaminated clothing. Store work clothing separately. Hands and/or face should be washed before breaks and at the end of the shift. No eating, drinking, smoking or tobacco use at the place of work. Keep away from food, drink and animal feeding stuffs.

9. Physical and Chemical Properties

Form:	solid
Odour:	odourless
Odour threshold:	not applicable, odour not perceivable
Colour:	white
pH value:	approx. 6 - 8 (100 g/l, 20 °C) Information based on the main component/s.
Melting point:	approx. > 200 °C The substance / product decomposes. Information based on the main component/s.
Boiling point:	The product has not been tested.
Flash point:	not applicable, the product is a solid
Flammability:	Based on the structure or composition there is no indication of flammability

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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 value has not be determined because of the high melting point.
Density:	approx. 0.4 g/cm ³ (20 °C)
Bulk density:	approx. 400 kg/m ³
Vapour density:	not applicable
Partitioning coefficient n-octanol/water (log Pow):	not applicable
Self-ignition temperature:	Based on its structural properties the product is not classified as self-igniting.
Thermal decomposition:	carbon monoxide, carbon dioxide Stable at ambient temperature. If product is heated above decomposition temperature toxic vapours may be released. To avoid thermal decomposition, do not overheat. 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.

Possibility of hazardous reactions

The product is chemically stable.

Hazardous polymerization will not occur. No hazardous reactions if stored and handled as prescribed/indicated.

Conditions to avoid

Avoid all sources of ignition: heat, sparks, open flame. Avoid extreme temperatures. Avoid prolonged exposure to extreme heat. Avoid contamination. Avoid electro-static discharge. Avoid prolonged storage. This product may form an explosive mixture if: 1. the dust is suspended in the atmosphere

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as a dust cloud AND 2. the concentration of the dust is above the lower explosion limit (LEL) AND 3. the limiting oxygen concentration (LOC) is exceeded.

Incompatible materials

strong oxidizing agents

Hazardous decomposition products

Decomposition products:

No hazardous decomposition products if stored and handled as prescribed/indicated., Prolonged thermal loading can result in products of degradation being given off.

Thermal decomposition:

Possible thermal decomposition products:

carbon monoxide, carbon dioxide

Stable at ambient temperature. If product is heated above decomposition temperature toxic vapours may be released. To avoid thermal decomposition, do not overheat.

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: Relatively nontoxic after single ingestion. Relatively nontoxic after short-term skin contact. Relatively nontoxic after short-term inhalation.

Oral

Type of value: LD50

Species: rat (female)

Value: > 5,000 mg/kg

Inhalation

Not inhalable due to the physico-chemical properties of the product. No mortality was observed.

Dermal

Type of value: LD50

Species: rat (male/female)

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

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Assessment of irritating effects: May cause moderate but temporary irritation to the eyes. May cause slight irritation to the skin.

Skin

Species: rabbit
Result: non-irritant

Eye

Species: rabbit
Result: non-irritant

Sensitization

Assessment of sensitization: Skin sensitizing effects were not observed in animal studies.

Buehler test

Species: guinea pig
Result: Non-sensitizing.

Aspiration Hazard

not applicable

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. No substance-specific organotoxicity was observed after repeated administration to animals.

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.

Medical conditions aggravated by overexposure

Individuals with pre-existing diseases of the respiratory system, skin or eyes may have increased susceptibility to excessive exposures.

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12. Ecological Information

Toxicity

Aquatic toxicity

Assessment of aquatic toxicity:

Very toxic to aquatic life with long lasting effects.

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

Toxicity to fish

Information on: Novaluron (ISO) ; 1-[3-chloro-4-(1,1,2-trifluoro-2-trifluoromethoxyethoxy)phenyl]-3-(2,6-difluorobenzoyl)urea

LC50 (96 h) 0.744 mg/l, *Cyprinus carpio*

LC50 (96 h) > 0.96 mg/l, *Salmo gairdneri*, syn. *O. mykiss*

LC50 (96 h) 0.002 mg/l, *Cyprinodon variegatus*

Aquatic invertebrates

Information on: Novaluron (ISO) ; 1-[3-chloro-4-(1,1,2-trifluoro-2-trifluoromethoxyethoxy)phenyl]-3-(2,6-difluorobenzoyl)urea

EC50 (48 h) 0.00015 mg/l, *Daphnia magna*

LC50 (48 h) 0.00013 mg/l, *Americamysis bahia*

Aquatic plants

Information on: Novaluron (ISO) ; 1-[3-chloro-4-(1,1,2-trifluoro-2-trifluoromethoxyethoxy)phenyl]-3-(2,6-difluorobenzoyl)urea

EC50 (72 h) > 9.68 mg/l (biomass), *Selenastrum capricornutum*

EC50 (14 h) > 0.0754 mg/l, *Lemna minor*

Chronic toxicity to fish

Information on: Novaluron (ISO) ; 1-[3-chloro-4-(1,1,2-trifluoro-2-trifluoromethoxyethoxy)phenyl]-3-(2,6-difluorobenzoyl)urea

No observed effect concentration (47 d) 0.003 mg/l, *Pimephales promelas*

No observed effect concentration (28 d) 0.00616 mg/l, *Salmo gairdneri*, syn. *O. mykiss*

Chronic toxicity to aquatic invertebrates

Information on: Novaluron (ISO) ; 1-[3-chloro-4-(1,1,2-trifluoro-2-trifluoromethoxyethoxy)phenyl]-3-(2,6-difluorobenzoyl)urea

No observed effect concentration (21 d) 0.00003 mg/l, *Daphnia magna*

No observed effect concentration (21 d) 0.00003 mg/l, *Mysidopsis bahia*

Persistence and degradability

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Assessment biodegradation and elimination (H₂O)

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

Bioaccumulative potential

Assessment bioaccumulation potential

Accumulation in organisms is expected.

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

Bioaccumulation potential

Information on: Novaluron (ISO) ; 1-[3-chloro-4-(1,1,2-trifluoro-2-trifluoromethoxyethoxy)phenyl]-3-(2,6-difluorobenzoyl)urea

Bioconcentration factor: 14,431

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: Novaluron (ISO) ; 1-[3-chloro-4-(1,1,2-trifluoro-2-trifluoromethoxyethoxy)phenyl]-3-(2,6-difluorobenzoyl)urea

Following exposure to soil, adsorption to solid soil particles is probable, therefore contamination of groundwater is not expected.

Additional information

Other ecotoxicological advice:

Do not discharge product into the environment without control.

13. Disposal considerations

Waste disposal of substance:

Pesticide wastes are regulated. Improper disposal of excess pesticide, spray mix or rinsate is a violation of federal law. 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.

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

Container disposal:

The packaging must not be re-used. Completely empty packaging may be treated as household waste. Consult the product label for additional details.

RCRA:

The waste codes are manufacturer's recommendations based on the designated use of the product. Other use and special waste disposal treatment on customer's location may require different waste-code assignments. This product is not regulated by RCRA.

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14. Transport Information

Land transport

USDOT

Not classified as a dangerous good under transport regulations

Sea transport

IMDG

Hazard class: 9
Packing group: III
ID number: UN 3077
Hazard label: 9, EHSM
Marine pollutant: YES
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
(contains NOVALURON)

Air transport

IATA/ICAO

Hazard class: 9
Packing group: III
ID number: UN 3077
Hazard label: 9, EHSM
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
(contains NOVALURON)

Further information

Product may be shipped as non-hazardous in suitable packages containing a net quantity of 5 kg or less under the provisions of various regulatory agencies: ADR, RID, ADN: Special Provision 375; IMDG: 2:10.2.7; IATA: A197; TDS: Special Provision 99(2); 49CFR: §171.4 (c) (2) and also the Special Provision 375 in Appendix B which is regulated in China "Regulations Concerning Road Transportation of Dangerous Goods Part 3: Index of dangerous goods name and transportation requirements" (JT/T 617.3)

15. Regulatory Information

Federal Regulations

Registration status:

Crop Protection TSCA, US released / exempt

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

State regulations

State RTK

PA
NJ

CAS Number

9004-34-6
9004-34-6

Chemical name

Microcrystalline cellulose
Microcrystalline cellulose

Labeling requirements under FIFRA

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This chemical is a pesticide product regulated 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.

Hazards to humans and domestic animals.

Causes moderate eye irritation.

Avoid contact with eyes or clothing.

Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

16. Other Information

SDS Prepared by:

BASF NA Product Regulations

SDS Prepared on: 2023/09/30

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.

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