

# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



## ADVION TRIO COCKROACH GEL BAIT

Version 0.0      Revision Date: 01/02/2024      SDS Number: S00063670549      Date of last issue: 12/06/2023  
Date of first issue: 12/06/2023

### SECTION 1. IDENTIFICATION

Product name : ADVION TRIO COCKROACH GEL BAIT  
Design code : A23170D

Product Registration number : 100-1679

#### Manufacturer or supplier's details

Company name of supplier : Syngenta Crop Protection, LLC  
Address : Post Office Box 18300  
Greensboro NC 27419  
United States of America (USA)

Telephone : 1 800 334 9481  
Telefax : 1 336 632 2192

E-mail address : sds.requests@syngenta.com

#### Recommended use of the chemical and restrictions on use

Recommended use : Insecticide

Restrictions on use : General Use Pesticide

### SECTION 2. HAZARDS IDENTIFICATION

#### GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin sensitization : Category 1

#### GHS label elements

Hazard pictograms :



Signal Word : Warning

Hazard Statements : H317 May cause an allergic skin reaction.

Precautionary Statements :

#### Prevention:

P261 Avoid breathing dust.

P272 Contaminated work clothing must not be allowed out of the workplace.

P280 Wear protective gloves.

#### Response:

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.

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P363 Wash contaminated clothing before reuse.

### Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

### Other hazards

None known.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

### Components

| Chemical name  | CAS-No.     | Concentration (% w/w) |
|--|-------------|-----------------------|
| starch   | 9005-25-8   | $\geq 1 - < 5$        |
| indoxacarb   | 173584-44-6 | 0.6                   |
| pyriproxyfen   | 95737-68-1  | 0.1                   |
| novaluron  | 116714-46-6 | 0.1                   |
| 1,2-benzisothiazol-3(2H)-one                                       | 2634-33-5   | $\geq 0.05 - < 0.1$   |
| 5-chloro-2-methyl-1,2-thiazol-3-one;<br>2-methyl-1,2-thiazol-3-one | 55965-84-9  | $\geq 0.0015 - < 0.1$ |

Actual concentration is withheld as a trade secret

## SECTION 4. FIRST AID MEASURES

- General advice : Have the product container, label or Safety Data Sheet with you when calling the emergency number, a poison control center or physician, or going for treatment.
- If inhaled : Take the victim into fresh air.  
If breathing is irregular or stopped, administer artificial respiration.  
Keep patient warm and at rest.  
Call a physician or poison control center immediately.
- In case of skin contact : Take off all contaminated clothing immediately.  
Wash off immediately with plenty of water.  
If skin irritation persists, call a physician.  
Wash contaminated clothing before re-use.
- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.  
Remove contact lenses.  
Immediate medical attention is required.
- If swallowed : If swallowed, seek medical advice immediately and show this container or label.  
Do NOT induce vomiting.
- Most important symptoms and effects, both acute and delayed : Nonspecific  
No symptoms known or expected.  
May cause an allergic skin reaction.
- Notes to physician : There is no specific antidote available.  
Treat symptomatically.

## SECTION 5. FIRE-FIGHTING MEASURES

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- Suitable extinguishing media : Extinguishing media - small fires  
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.  
Extinguishing media - large fires  
Alcohol-resistant foam  
or  
Water spray
- Unsuitable extinguishing media : Do not use a solid water stream as it may scatter and spread fire.
- Specific hazards during fire fighting : As the product contains combustible organic ingredients, fire will produce dense black smoke containing hazardous products of combustion (see section 10).  
Exposure to decomposition products may be a hazard to health.
- Further information : Do not allow run-off from fire fighting to enter drains or water courses.  
Cool closed containers exposed to fire with water spray.
- Special protective equipment for fire-fighters : Wear full protective clothing and self-contained breathing apparatus.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Refer to protective measures listed in sections 7 and 8.  
Avoid dust formation.
- Environmental precautions : Do not flush into surface water or sanitary sewer system.  
If the product contaminates rivers and lakes or drains inform respective authorities.
- Methods and materials for containment and cleaning up : Contain spillage, pick up with an electrically protected vacuum cleaner or by wet-brushing and transfer to a container for disposal according to local regulations (see section 13).  
Do not create a powder cloud by using a brush or compressed air.  
Clean contaminated surface thoroughly.  
Clean with detergents. Avoid solvents.  
Retain and dispose of contaminated wash water.

### SECTION 7. HANDLING AND STORAGE

- Advice on safe handling : No special protective measures against fire required.  
Avoid contact with skin and eyes.  
When using do not eat, drink or smoke.  
For personal protection see section 8.
- Conditions for safe storage : No special storage conditions required.  
Keep containers tightly closed in a dry, cool and well-ventilated place.  
Keep out of the reach of children.  
Keep away from food, drink and animal feedingstuffs.

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### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Ingredients with workplace control parameters

| Components | CAS-No.     | Value type (Form of exposure)  | Control parameters / Permissible concentration | Basis     |
|------------|-------------|--------------------------------|--|-----------|
| starch     | 9005-25-8   | TWA                            | 10 mg/m <sup>3</sup>                           | ACGIH     |
|            |             | TWA (Respirable)               | 5 mg/m <sup>3</sup>                            | NIOSH REL |
|            |             | TWA (total)                    | 10 mg/m <sup>3</sup>                           | NIOSH REL |
|            |             | TWA (total dust)               | 15 mg/m <sup>3</sup>                           | OSHA Z-1  |
|            |             | TWA (respirable fraction)      | 5 mg/m <sup>3</sup>                            | OSHA Z-1  |
|            |             | TWA (Total dust)               | 15 mg/m <sup>3</sup>                           | OSHA P0   |
|            |             | TWA (respirable dust fraction) | 5 mg/m <sup>3</sup>                            | OSHA P0   |
| indoxacarb | 173584-44-6 | TWA                            | 1 mg/m <sup>3</sup> (Respirable dust)          | Supplier  |

**Engineering measures** : THE FOLLOWING RECOMMENDATIONS FOR EXPOSURE CONTROLS/PERSONAL PROTECTION ARE INTENDED FOR THE MANUFACTURE, FORMULATION AND PACKAGING OF THE PRODUCT. FOR COMMERCIAL APPLICATIONS AND/OR ON-FARM APPLICATIONS CONSULT THE PRODUCT LABEL.

Containment and/or segregation is the most reliable technical protection measure if exposure cannot be eliminated. The extent of these protection measures depends on the actual risks in use. Maintain air concentrations below occupational exposure standards. Where necessary, seek additional occupational hygiene advice.

#### Personal protective equipment

**Respiratory protection** : No personal respiratory protective equipment normally required. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

**Hand protection**

**Remarks** : Wear protective gloves. The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. The break

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through time depends amongst other things from the material, the thickness and the type of glove and therefore has to be measured for each case. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Eye protection : No special protective equipment required.

Skin and body protection : Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.  
Remove and wash contaminated clothing before re-use.  
Wear as appropriate:  
Dust impervious protective suit

Protective measures : The use of technical measures should always have priority over the use of personal protective equipment.  
When selecting personal protective equipment, seek appropriate professional advice.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : gel

Color : brownish

Odor : No data available

Odor Threshold : No data available

pH : 5.22  
Concentration: 1 %w/v

Melting point/range : No data available

Boiling point/boiling range : No data available

Flash point : Method: Seta closed cup, Equilibrium method  
does not flash

Evaporation rate : No data available

Flammability (solid, gas) : No data available

Upper explosion limit / Upper flammability limit : No data available

Lower explosion limit / Lower flammability limit : No data available

Vapor pressure : No data available

Relative vapor density : No data available

Density : 1.124 g/cm<sup>3</sup> (68 °F / 20 °C)

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Solubility(ies)  
Water solubility : No data available

Solubility in other solvents : No data available

Partition coefficient: n-octanol/water : No data available

Autoignition temperature : 864 °F / 462 °C

Decomposition temperature : No data available

Viscosity  
Viscosity, kinematic : No data available

Explosive properties : Not explosive

Oxidizing properties : The substance or mixture is not classified as oxidizing.

Particle size : No data available

### SECTION 10. STABILITY AND REACTIVITY

Reactivity : None reasonably foreseeable.

Chemical stability : Stable under normal conditions.

Possibility of hazardous reactions : No dangerous reaction known under conditions of normal use.

Conditions to avoid : No decomposition if used as directed.

Incompatible materials : None known.

Hazardous decomposition products : No hazardous decomposition products are known.

### SECTION 11. TOXICOLOGICAL INFORMATION

#### Information on likely routes of exposure

Ingestion  
Inhalation  
Skin contact  
Eye contact

#### Acute toxicity

Not classified due to lack of data.

#### Product:

Acute oral toxicity : Acute toxicity estimate: > 5,000 mg/kg  
Method: Calculation method

#### Components:

##### indoxacarb:

Acute oral toxicity : LD50 (Rat): 268 mg/kg

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Acute inhalation toxicity : LC50 (Rat): > 5.5 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Assessment: The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity : LD50 (Rat): > 5,000 mg/kg  
Assessment: The substance or mixture has no acute dermal toxicity

### **pyriproxyfen:**

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg

Acute inhalation toxicity : LC50 (Rat): > 1.3 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Assessment: The substance or mixture has no acute inhalation toxicity  
Remarks: Highest attainable concentration

Acute dermal toxicity : LD50 (Rat): > 2,000 mg/kg  
Assessment: The substance or mixture has no acute dermal toxicity

### **novaluron:**

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg

Acute inhalation toxicity : LC50 (Rat): > 5.15 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Assessment: The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity : LD50 (Rat): > 2,000 mg/kg  
Assessment: The substance or mixture has no acute dermal toxicity

### **1,2-benzisothiazol-3(2H)-one:**

Acute oral toxicity : LD50 (Rat, male): 670 mg/kg

Acute dermal toxicity : LD50 (Rat, male and female): > 2,000 mg/kg  
Assessment: The substance or mixture has no acute dermal toxicity

### **5-chloro-2-methyl-1,2-thiazol-3-one; 2-methyl-1,2-thiazol-3-one:**

Acute oral toxicity : Assessment: The component/mixture is toxic after single ingestion.

Acute inhalation toxicity : Assessment: The component/mixture is highly toxic after short term inhalation.

Acute dermal toxicity : Assessment: The component/mixture is highly toxic after sin-

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gle contact with skin.

### **Skin corrosion/irritation**

Not classified due to lack of data.

#### **Components:**

##### **indoxacarb:**

Result : No skin irritation

##### **pyriproxyfen:**

Species : Rabbit  
Result : No skin irritation

##### **novaluron:**

Species : Rabbit  
Assessment : No skin irritation

##### **1,2-benzisothiazol-3(2H)-one:**

Species : Rabbit  
Result : Mild skin irritation

##### **5-chloro-2-methyl-1,2-thiazol-3-one; 2-methyl-1,2-thiazol-3-one:**

Result : Corrosive after 1 to 4 hours of exposure

### **Serious eye damage/eye irritation**

Not classified due to lack of data.

#### **Components:**

##### **indoxacarb:**

Result : No eye irritation

##### **pyriproxyfen:**

Species : Rabbit  
Result : No eye irritation

##### **novaluron:**

Species : Rabbit  
Assessment : No eye irritation

##### **1,2-benzisothiazol-3(2H)-one:**

Species : Rabbit  
Result : Risk of serious damage to eyes.



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### Respiratory or skin sensitization

#### Skin sensitization

May cause an allergic skin reaction.

#### Respiratory sensitization

Not classified due to lack of data.

#### Components:

##### indoxacarb:

Result : May cause sensitization by skin contact.

##### pyriproxyfen:

Species : Guinea pig  
Result : Not a skin sensitizer.

##### novaluron:

Species : Guinea pig  
Result : Not a skin sensitizer.

##### 1,2-benzisothiazol-3(2H)-one:

Result : Probability or evidence of skin sensitization in humans

##### 5-chloro-2-methyl-1,2-thiazol-3-one; 2-methyl-1,2-thiazol-3-one:

Result : The product is a skin sensitizer, sub-category 1A.

### Germ cell mutagenicity

Not classified due to lack of data.

#### Components:

##### indoxacarb:

Germ cell mutagenicity - Assessment : Animal testing did not show any mutagenic effects.

##### pyriproxyfen:

Germ cell mutagenicity - Assessment : In vitro tests did not show mutagenic effects

##### novaluron:

Germ cell mutagenicity - Assessment : Weight of evidence does not support classification as a germ cell mutagen.

##### 1,2-benzisothiazol-3(2H)-one:

Germ cell mutagenicity - Assessment : Weight of evidence does not support classification as a germ cell mutagen.

### Carcinogenicity

Not classified due to lack of data.

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### Components:

#### **indoxacarb:**

Carcinogenicity - Assessment : No evidence of carcinogenicity in animal studies.

#### **pyriproxyfen:**

Carcinogenicity - Assessment : No evidence of carcinogenicity in animal studies.

#### **novaluron:**

Carcinogenicity - Assessment : No evidence of carcinogenicity in animal studies.

### **Reproductive toxicity**

Not classified due to lack of data.

### Components:

#### **indoxacarb:**

Reproductive toxicity - Assessment : No toxicity to reproduction

#### **pyriproxyfen:**

Reproductive toxicity - Assessment : No toxicity to reproduction

#### **novaluron:**

Reproductive toxicity - Assessment : No toxicity to reproduction

### **STOT-single exposure**

Not classified due to lack of data.

### Components:

#### **indoxacarb:**

Target Organs : Central nervous system  
Assessment : The substance or mixture is classified as specific target organ toxicant, single exposure, category 2.

### **STOT-repeated exposure**

Not classified due to lack of data.

### Components:

#### **indoxacarb:**

Target Organs : Blood, Nervous system  
Assessment : The substance or mixture is classified as specific target organ toxicant, repeated exposure, category 2.

### **Aspiration toxicity**

Not classified due to lack of data.

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### SECTION 12. ECOLOGICAL INFORMATION

#### Ecotoxicity

##### Components:

##### **indoxacarb:**

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 0.65 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0.6 mg/l  
Exposure time: 48 h

Toxicity to algae/aquatic plants : EC50 (Lemna gibba (gibbous duckweed)): > 84.3 mg/l  
Exposure time: 14 d

Toxicity to fish (Chronic toxicity) : NOEC (Oncorhynchus mykiss (rainbow trout)): 0.15 mg/l  
Exposure time: 90 d

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): 0.09 mg/l  
Exposure time: 21 d

##### **pyriproxyfen:**

Toxicity to fish : LC50 (Lepomis macrochirus (Bluegill sunfish)): > 0.27 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0.4 mg/l  
Exposure time: 48 h

Toxicity to algae/aquatic plants : ErC50 (Raphidocelis subcapitata (freshwater green alga)): 0.150 mg/l  
End point: Growth rate  
Exposure time: 72 h

Toxicity to fish (Chronic toxicity) : NOEC (Oncorhynchus mykiss (rainbow trout)): 0.004 mg/l  
Exposure time: 95 d

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): 0.000015 mg/l  
Exposure time: 21 d

##### **novaluron:**

Toxicity to fish : LC50 (Cyprinus carpio (Carp)): 0.744 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0.000279 mg/l  
Exposure time: 48 h

Toxicity to algae/aquatic plants : EC50 (Raphidocelis subcapitata (freshwater green alga)): > 9.68 mg/l  
Exposure time: 72 h

##### **1,2-benzisothiazol-3(2H)-one:**

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Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 2.18 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): 2.94 mg/l  
aquatic invertebrates Exposure time: 48 h

Toxicity to algae/aquatic : ErC50 (Raphidocelis subcapitata (freshwater green alga)):  
plants 0.15 mg/l  
Exposure time: 72 h

EC10 (Raphidocelis subcapitata (freshwater green alga)):  
0.04 mg/l  
End point: Growth rate  
Exposure time: 72 h

Toxicity to fish (Chronic tox- : NOEC (Oncorhynchus mykiss (rainbow trout)): 0.3 mg/l  
icity) Exposure time: 28 d

Toxicity to daphnia and other : NOEC (Daphnia): 1.7 mg/l  
aquatic invertebrates (Chron- Exposure time: 21 d  
ic toxicity)

### **5-chloro-2-methyl-1,2-thiazol-3-one; 2-methyl-1,2-thiazol-3-one:**

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 0.22 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other : EC50 (Daphnia): 0.1 mg/l  
aquatic invertebrates Exposure time: 48 h

Toxicity to algae/aquatic : ErC50 (Raphidocelis subcapitata (freshwater green alga)):  
plants 0.048 mg/l  
Exposure time: 72 h

NOEC (Raphidocelis subcapitata (freshwater green alga)):  
0.0012 mg/l  
End point: Growth rate  
Exposure time: 72 h

ErC50 (Skeletonema costatum (marine diatom)): 0.0052 mg/l  
Exposure time: 48 h

NOEC (Skeletonema costatum (marine diatom)): 0.00064 mg/l  
End point: Growth rate  
Exposure time: 48 h

Toxicity to fish (Chronic tox- : NOEC (Oncorhynchus mykiss (rainbow trout)): 0.098 mg/l  
icity) Exposure time: 28 d

Toxicity to daphnia and other : NOEC (Daphnia): 0.004 mg/l  
aquatic invertebrates (Chron- Exposure time: 21 d  
ic toxicity)

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### Persistence and degradability

#### Components:

##### **indoxacarb:**

Biodegradability : Result: Not readily biodegradable.

##### **pyriproxyfen:**

Stability in water : Remarks: The substance is stable in water.

##### **1,2-benzisothiazol-3(2H)-one:**

Biodegradability : Result: rapidly degradable

##### **5-chloro-2-methyl-1,2-thiazol-3-one; 2-methyl-1,2-thiazol-3-one:**

Biodegradability : Result: Readily biodegradable.

### Bioaccumulative potential

#### Components:

##### **indoxacarb:**

Bioaccumulation : Species: Lepomis macrochirus (Bluegill sunfish)  
Bioconcentration factor (BCF): 950.3  
Exposure time: 21 d

##### **pyriproxyfen:**

Bioaccumulation : Remarks: Bioaccumulates

Partition coefficient: n-octanol/water : log Pow: 5.37 (77 °F / 25 °C)  
pH: 5.6

##### **novaluron:**

Bioaccumulation : Remarks: Does not accumulate in organisms.

##### **1,2-benzisothiazol-3(2H)-one:**

Bioaccumulation : Remarks: Bioaccumulation is unlikely.

### Mobility in soil

#### Components:

##### **indoxacarb:**

Distribution among environmental compartments : Remarks: No data available

##### **pyriproxyfen:**

Distribution among environmental compartments : Remarks: immobile

Stability in soil : Dissipation time: 10 d  
Percentage dissipation: 50% (DT50)

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Remarks: Product is not persistent.

### novaluron:

Distribution among environmental compartments : Remarks: immobile

### Other adverse effects

### Components:

#### pyriproxyfen:

Results of PBT and vPvB assessment : This substance is not considered to be persistent, bioaccumulating and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulating (vPvB).

#### 1,2-benzisothiazol-3(2H)-one:

Results of PBT and vPvB assessment : This substance is not considered to be persistent, bioaccumulating and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulating (vPvB).

## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal methods

Waste from residues : Do not contaminate ponds, waterways or ditches with chemical or used container.  
Do not dispose of waste into sewer.  
Where possible recycling is preferred to disposal or incineration.  
If recycling is not practicable, dispose of in compliance with local regulations.  
This product will not be classified as a RCRA characteristic hazardous waste when discarded.

Contaminated packaging : Empty remaining contents.  
Triple rinse containers.  
Empty containers should be taken to an approved waste handling site for recycling or disposal.  
Do not re-use empty containers.

## SECTION 14. TRANSPORT INFORMATION

### International Regulations

#### UNRTDG

UN number : UN 3077  
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (PYRIPROXYFEN, NOVALURON)  
Class : 9  
Packing group : III  
Labels : 9  
Environmentally hazardous : yes  
Remarks : This product can be subject to exemptions when packaged in single or combination packagings containing a net quantity per

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single or inner packaging of 5 L or less for liquids, or having a net mass of 5 kg or less for solids.

### IATA-DGR

UN/ID No. : UN 3077  
Proper shipping name : Environmentally hazardous substance, solid, n.o.s. (PYRIPROXYFEN, NOVALURON)  
Class : 9  
Packing group : III  
Labels : Miscellaneous  
Packing instruction (cargo aircraft) : 956  
Packing instruction (passenger aircraft) : 956  
Environmentally hazardous : yes  
Remarks : This product can be subject to exemptions when packaged in single or combination packagings containing a net quantity per single or inner packaging of 5 L or less for liquids, or having a net mass of 5 kg or less for solids.

### IMDG-Code

UN number : UN 3077  
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (PYRIPROXYFEN, NOVALURON)  
Class : 9  
Packing group : III  
Labels : 9  
EmS Code : F-A, S-F  
Marine pollutant : yes  
Remarks : This product can be subject to exemptions when packaged in single or combination packagings containing a net quantity per single or inner packaging of 5 L or less for liquids, or having a net mass of 5 kg or less for solids.

### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

### Domestic regulation

#### 49 CFR

Not regulated as a dangerous good

Remarks : Shipment by ground under DOT is non-regulated; however it may be shipped per the applicable hazard classification to facilitate multi-modal transport involving ICAO (IATA) or IMO.

### Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

## SECTION 15. REGULATORY INFORMATION

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 classi-

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ification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

### Caution

Avoid contact with skin, eyes or clothing.

Wash thoroughly with soap and water after handling.

Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

### CERCLA Reportable Quantity

Listed substances in the product are at low enough levels to not be expected to exceed the RQ

### SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

### SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

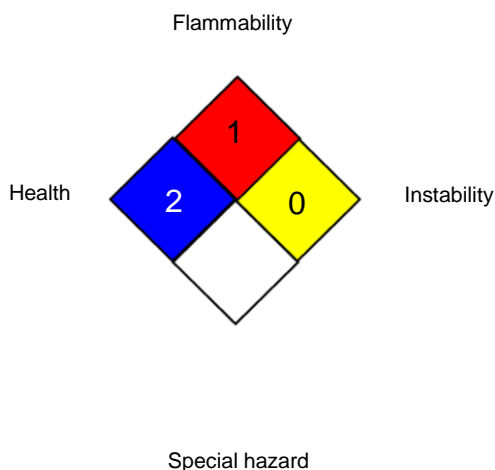
**SARA 311/312 Hazards** : Respiratory or skin sensitization

**SARA 313** : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

## SECTION 16. OTHER INFORMATION

### Further information

#### NFPA 704:



#### HMIS® IV:

|                 |   |   |
|-----------------|---|---|
| HEALTH          | / | 2 |
| FLAMMABILITY    |   | 1 |
| PHYSICAL HAZARD |   | 0 |

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "\*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

### Full text of other abbreviations

ACGIH : USA. ACGIH Threshold Limit Values (TLV)  
NIOSH REL : USA. NIOSH Recommended Exposure Limits  
OSHA P0 : USA. Table Z-1-A Limits for Air Contaminants (1989 vacated values)  
OSHA Z-1 : USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants



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|                 |   |   |
|-----------------|---|---|
| ACGIH / TWA     | : | 8-hour, time-weighted average   |
| NIOSH REL / TWA | : | Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek |
| OSHA P0 / TWA   | : | 8-hour time weighted average  |
| OSHA Z-1 / TWA  | : | 8-hour time weighted average  |

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

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The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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