

**Benevia®**

Version 0.0

Revision Date 00/00/0000

Ref. 130000050174

This SDS adheres to the standards and regulatory requirements of Argentina and may not meet the regulatory requirements in other countries.

1. IDENTIFICATION

Product name : Benevia®
Other names : B12901515

Recommended use of the chemical and restriction on use

Recommended use : - Insecticide

Manufacturer or supplier's details

Company : DuPont Argentina S.R.L.
Street address : Av. Ingeniero Butty, 240
Buenos Aires Argentina
Telephone : (011) 5984-3700

Número de teléfono en caso de emergencia:

Argentina: 54-1159839431 (CHEMTREC); All other countries: +1 651 / 632-6793 (Collect)

Número de Emergencia Médica:

Hospital Nacional Prof. Alejandro Posadas, Centro Nacional de Intoxicaciones. (Toxicológica) - 0800- 333 -0160 / (011) 4658-7777 / (011) 4654-6648; Hospital de Niños Ricardo Gutierrez, Unidad de Toxicología. (Toxicológica) - 0800-444-8694 / (011) 4962-6666 / (011) 4962-2247; Hospital General de Agudos J. A. Fernández, Unidad de Toxi-cología. (Toxicológica) - (011) 4808-2655 / (011) 4808-2606; TAS, Toxicología, Asesoramiento y Servicios. (Toxicológica) - 0800-888-8694 / (0341) 4242727; Bomberos (General) – 100; Policía (General) – 101 – 911; Defensa Civil (General) – 103; Emergencias médicas (General) – 107

2. HAZARDS IDENTIFICATION**Product hazard category**

Skin sensitisation	Category 1
Specific target organ toxicity - repeated exposure	Category 2
Aspiration hazard	Category 2
Acute aquatic toxicity	Category 1
Chronic aquatic toxicity	Category 1

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Label content

Pictogram

:



Signal word

: Warning

Hazardous warnings

: May be harmful if swallowed and enters airways.
 May cause an allergic skin reaction.
 May cause damage to organs through prolonged or repeated exposure.
 (Respiratory system)
 Very toxic to aquatic life with long lasting effects.

Hazardous prevention measures

: Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
 Contaminated work clothing should not be allowed out of the workplace.
 Wear protective gloves.
 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
 IF ON SKIN: Wash with plenty of water.
 Get medical advice/ attention if you feel unwell.
 Do NOT induce vomiting.
 If skin irritation or rash occurs: Get medical advice/ attention.
 Take off contaminated clothing and wash it before reuse.
 Collect spillage.
 Store locked up.
 Dispose of contents/ container to an approved waste disposal plant.

3. COMPOSITION/INFORMATION ON INGREDIENTS**Chemical nature**

: Mixture

Components

Chemical name	CAS-No.	Concentration
Cyantraniliprole	736994-63-1	10.26 %
Octanol		5 - 10 %
Alkyl Sulfonate Salt		10 - 15 %
Fumed silica, crystalline-free	112945-52-5	1 - 5 %
Other Ingredients		59.74 - 73.74 %

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The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

First aid measures for different exposure routes

- | | | |
|----------------------------|---|--|
| Inhalation | : | Remove person to fresh air. If signs/symptoms continue, get medical attention. Artificial respiration and/or oxygen may be necessary. Call a poison control center or doctor for treatment advice. |
| Skin contact | : | The material is not likely to be hazardous by skin contact, but cleaning the skin after use is advisable. Consult a physician if necessary. |
| Eye contact | : | Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice. |
| Ingestion | : | Call a poison control center or doctor for treatment advice. Have person sip a glass of water if able to swallow. DO NOT induce vomiting unless directed to do so by a physician or poison control center. Do not give anything by mouth to an unconscious person. |
| Main symptoms and hazards | : | No information available. |
| Protection of first-aiders | : | No information available. |
| Notes to physician | : | No information available. |

5. FIREFIGHTING MEASURES

- | | | |
|----------------------------------|---|--|
| Suitable extinguishing media | : | Water spray, Foam, Dry chemical, Carbon dioxide (CO ₂)
Unsuitable extinguishing media:
High volume water jet, (contamination risk) |
| Specific hazards | : | The product is not flammable. |
| Specific firefighting procedures | : | (on small fires) If area is heavily exposed to fire and if conditions permit, let fire burn itself out since water may increase the area contaminated. Cool containers/tanks with water spray. |

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Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Evacuate personnel, thoroughly ventilate area, use self-contained breathing apparatus. Use personal protective equipment.

Environmental precautions : No information available.

Methods for cleaning up : Soak up with sawdust, sand, oil dry or other absorbent material. Dispose of in an approved container. If liquid has been spilt in large quantities clean up promptly by scoop or vacuum.

7. HANDLING AND STORAGE**Handling**

Technical measures/Precautions : No information available.

Precautions for safe handling : The product is not flammable.

Storage

Suitable storage conditions : Store product in original container only in a location inaccessible to children and pets. Do not contaminate water, other pesticides, fertilizer, food or feed in storage. Not for use or storage in or around the home. Keep out of the reach of children.

Hygiene measures

: Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove clothing/PPE immediately if material gets inside. Wash thoroughly and put on clean clothing.

8. EXPOSURE PREVENTION MEASURES

Engineering measures : Ensure adequate ventilation, especially in confined areas. Use sufficient ventilation to keep employee exposure below recommended limits.

Control parameters

Cyantraniliprole

AEL *

(DUPONT) 3 mg/m³ 8 hr. TWA

Cyantraniliprole

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AEL * (DUPONT) 2 mg/m³ 12 hr. TWA

2-Ethylhexan-1-ol

AEL * (DUPONT) 20 ppm 8 & 12 hr. TWA

Fumed silica, crystalline-free

AEL * (DUPONT) 1 mg/m³ 8 & 12 hr. TWA Respirable dust.

* AEL is DuPont's Acceptable Exposure Limit. Where governmentally imposed occupational exposure limits which are lower than the AEL are in effect, such limits shall take precedence.

Biological standards : No information available.

Personal protective equipment

Respiratory protection : See skin and body protection

Hand protection : See skin and body protection

Eye protection : See skin and body protection

Skin and body protection : Applicators and other handlers must wear: Long sleeved shirt and long pants, Shoes plus socks
Applicators and other handlers of the diluted material must wear: shirt, pants, socks and shoes.
Personal protection equipment required for entry to treated area., Coveralls, Shoes plus socks, Chemical resistant gloves made of any waterproof material

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

9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance (Physical state, form, colour, etc.)**

Physical state : liquid

Form : liquid, dispersion

Colour : off-white

Odour : mild oily

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Odour Threshold : no data available**pH** : 4 - 7**Melting point/freezing point**

Melting point/range : Not applicable

Boiling point/boiling range

Boiling point/boiling range : 99 °C

Flammability (solid, gas) : The product is not flammable.**Flash point** : No flash up to boiling point.**Evaporation rate** : no data available**Decomposition temperature** : no data available**Auto-ignition temperature** : Self ignition: 254 °C**Explosion limits**

Upper explosion limit : no data available

Lower explosion limit : no data available

Vapour pressure : no data available**Vapour density** : no data available**Density**Bulk density : 0.9 - 1.1 g/cm³**Solubility(ies)**

Water solubility : dispersible

Solubility in other solvents : no data available

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

Volatility rate : no data available

Viscosity, dynamic : < 1,800 mPa.s

Viscosity, kinematic : no data available

10. STABILITY AND REACTIVITY

Reactivity : No information available.

Stability : Stable at normal temperatures and storage conditions.

Possible hazardous reactions under specific conditions : No information available.

Conditions to avoid : Protect from frost.

Materials to avoid : No information available.

Hazardous decomposition products : No information available.

11. TOXICOLOGICAL INFORMATION

Acute toxicity : Benevia®:

Oral: LD50/Rat : > 5,000 mg/kg

Inhalation: LC50/4 h/Rat : > 3.3 mg/l

Dermal: LD50/Rat : > 5,000 mg/kg

Skin corrosion/irritation : Benevia®:

Species: Rabbit

Result: No skin irritation

Serious eye damage/eye : Benevia®:

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irritation

Species: Rabbit

Result: No eye irritation

Respiratory sensitisation /
Skin sensitisation

: Benevia®:

Species: multiple species

Result: May cause sensitisation by skin contact.

Mutagenicity

: Cyantraniliprole:

Evidence suggests this substance does not cause genetic damage in animals. Evidence suggests this substance does not cause genetic damage in cultured mammalian cells. Evidence suggests this substance does not cause genetic damage in cultured bacterial cells.

Octanol:

Animal testing did not show any mutagenic effects. Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

Alkyl Sulfonate Salt:

Evidence suggests this substance does not cause genetic damage in animals. Evidence suggests this substance does not cause genetic damage in cultured mammalian cells. Evidence suggests this substance does not cause genetic damage in cultured bacterial cells. Information given is based on data obtained from similar substances.

Fumed silica, crystalline-free:

Animal testing did not show any mutagenic effects. Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

Carcinogenicity

: Cyantraniliprole:

Animal testing did not show any carcinogenic effects.

Octanol:

Animal testing did not show any carcinogenic effects.

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Reproductive toxicity : Cyantraniliprole:

Animal testing showed no reproductive toxicity.

Animal testing showed effects on embryo-fetal development at levels equal to or above those causing maternal toxicity.

Octanol:

Animal testing showed no reproductive toxicity. Information given is based on data obtained from similar substances.

Animal testing showed no developmental toxicity.

Alkyl Sulfonate Salt:

Animal testing showed no reproductive toxicity. Information given is based on data obtained from similar substances.

Fumed silica, crystalline-free:

Animal testing showed no developmental toxicity. Information given is based on data obtained from similar substances.

Specific target organ toxicity - single exposure : no data available

Specific target organ toxicity - repeated exposure : no data available

Aspiration toxicity : no data available

Other : Cyantraniliprole:

The following effects occurred at levels of exposure that significantly exceed those expected under labeled usage conditions.

Repeated dose toxicity: Oral, Rat 28 - 90 d

Thyroid effects, Organ weight changes, No effect to neurotoxicity.

Repeated dose toxicity: Dermal, Rat 28 d

No toxicologically significant effects were found.

Repeated dose toxicity: Oral, Mouse 90 d

No toxicologically significant effects were found.

Repeated dose toxicity: Oral, Dog 90 d

altered blood chemistry, Liver effects, Vascular arteritis

Repeated dose toxicity: Oral, multiple species 28 d

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Immune System, No toxicologically significant effects were found.

Repeated dose toxicity: Oral, Rat 14 d

No toxicologically significant effects were found.

Repeated dose toxicity: Oral, Dog 365 d

Liver effects, Gallbladder effects, altered blood chemistry, Vascular arteritis

Repeated dose toxicity: Inhalation, Rat 28 d

No toxicologically significant effects were found.

Octanol:

Repeated dose toxicity: Ingestion, NOEL: Rat 90 d 250 mg/kg 500 mg/kg

OECD Test Guideline 408

No toxicological effects warranting significant target organ toxicity classification were seen below the recommended guidance values for classification.

Alkyl Sulfonate Salt:

Repeated dose toxicity: Skin contact, NOEL: Rat > 1,000 mg/kg

OECD Test Guideline 410

Fumed silica, crystalline-free:

Repeated dose toxicity: Inhalation, Rat 91 d

Respiratory effects, Information given is based on data obtained from similar substances.

Target Organs: Respiratory system

12. ECOLOGICAL INFORMATION**Ecotoxicity effects**

Toxicity to fish

: Cyantraniliprole:

LC50/96 h/Oncorhynchus mykiss (rainbow trout): > 12.6 mg/l

LC50/96 h/Lepomis macrochirus (Bluegill sunfish): > 13 mg/l

Octanol:

LC50/96 h/Leuciscus idus (Golden orfe): 17.1 mg/l

Method: Directive 67/548/EEC, Annex V, C.1.

Fumed silica, crystalline-free:

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LC50/96 h/Danio rerio (zebra fish): > 10,000 mg/l

Method: OECD Test Guideline 203

Other

: Benevia®:

EC50/48 h/Daphnia magna (Water flea): 0.215 mg/l

Cyantraniliprole:

ErC50/72 h/Pseudokirchneriella subcapitata (green algae): > 13 mg/l

ErC50/7 d/Lemna gibba (duckweed): > 12.1 mg/l

Octanol:

ErC50/72 h/Desmodesmus subspicatus (green algae): 16.6 mg/l

Method: Directive 67/548/EEC, Annex V, C.3.

Alkyl Sulfonate Salt:

ErC50/96 h/Pseudokirchneriella subcapitata (green algae): > 1,000 mg/l

Method: see user defined free text

Persistence and
degradability

: no data available

Bioaccumulation

: Octanol:

Bioaccumulation is unlikely.

Fumed silica, crystalline-free:

Does not bioaccumulate.

Mobility in soil

: no data available

Other adverse effects

: no data available

13. CONSIDERATIONS REGARDING FINAL DISPOSAL

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Waste disposal methods : Do not contaminate water, food or feed by disposal. Container Refilling and Disposal: Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility. Refer to the product label for instructions. Do not transport if this container is damaged or leaking.

14. TRANSPORT INFORMATION**IMDG**

UN number : 3082
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(Cyantraniliprole)

Class : 9
Packing group : III
Marine pollutant : yes

IATA_C

UN number : 3082
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(Cyantraniliprole)

Class : 9MI
Packing group : III

Matters needing attention : No information available.
for transportation

15. INFORMATION ABOUT REGULATIONS

Refer to section 2 of this SDS for classification according to the GHS.

16. OTHER INFORMATION

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Significant change from previous version is denoted with a double bar.

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