

**Benevia®**

Version 1.0

Revision Date 02/01/2018

Ref. 130000050174

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

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Product name : Benevia®  
Tradename/Synonym : B12901515  
Cyantraniliprole 100 g/l OD  
DPX-HGW86 10 OD Insect Control  
Cyazypyr™ 100 OD  
DPX-HGW86 10 OD (Oil Dispersion)  
DPX-HGW86 10 OD  
Cyantraniliprole: 3-bromo-1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-methyl-6-[(methylamino)carbonyl]phenyl]-1H-pyrazole-5-carboxamide

Product Use : Insecticide

Restrictions on use :  
Do not use product for anything outside of the above specified uses

Manufacturer/Supplier : FMC Corporation  
2929 Walnut Street  
Philadelphia, PA 19104, USA  
(215) 299-6000 (General Information)  
msdsinfo@fmc.com (E-Mail General Information)

Medical Emergencies : 1 800 / 331-3148 (ProPharma Group - U.S.A. & Canada)  
1 651 / 632-6793 (ProPharma Group - All Other Countries - Collect)

For leak, fire, spill or  
accident emergencies, call : 1 800 / 424 9300 (CHEMTREC - U.S.A.)  
1 703 / 741-5970 (CHEMTREC - International)  
1 703 / 527 3887 (CHEMTREC - Alternate)

**SECTION 2. HAZARDS IDENTIFICATION****Product hazard category**

Skin sensitisation	Category 1
Specific target organ toxicity - repeated exposure	Category 2

**Benevia®**

Version 1.0

Revision Date 02/01/2018

Ref. 130000050174

**Label content**

Pictogram

:



Signal word

: Warning

Hazardous warnings

: May cause an allergic skin reaction.  
May cause damage to organs through prolonged or repeated exposure.  
(Respiratory system)

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 ON SKIN: Wash with plenty of soap and water.  
Get medical advice/ attention if you feel unwell.  
If skin irritation or rash occurs: Get medical advice/ attention.  
Wash contaminated clothing before reuse.  
Dispose of contents/ container to an approved waste disposal plant.**Other hazards**

No applicable data available.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Component	CAS-No.	Concentration
Cyantraniliprole	736994-63-1	10.26 %

**Benevia®**

Version 1.0

Revision Date 02/01/2018

Ref. 130000050174

Octanol		5 - 10 %
Alkyl Sulfonate Salt		10 - 15 %
Fumed silica, crystalline-free	112945-52-5	1 - 5 %
Other Ingredients		59.74 - 73.74 %

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

**SECTION 4. FIRST AID MEASURES**

- General advice** : Have the product container or label with you when calling a poison control center or doctor, or going for treatment.  
See Section 1 for emergency phone numbers.  
See Label for Additional Precautions and Directions for Use.
- Inhalation** : Move to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. 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** : No specific intervention is indicated as the compound is not likely to be hazardous. Consult a physician if necessary.

**Benevia®**

Version 1.0

Revision Date 02/01/2018

Ref. 130000050174

Most important symptoms/effects, acute and delayed : No applicable data available.  
Protection of first-aiders : No applicable data available.  
Notes to physician : No applicable data available.

**SECTION 5. FIREFIGHTING MEASURES**

Suitable extinguishing media : Water spray, Foam, Dry chemical, Carbon dioxide (CO2)  
Unsuitable extinguishing media : High volume water jet, (contamination risk)  
Specific hazards : The product is not flammable.  
Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.  
Further information : (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.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

NOTE: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up.

Safeguards (Personnel) : Evacuate personnel, thoroughly ventilate area, use self-contained breathing apparatus. Use personal protective equipment.  
Environmental precautions : Prevent material from entering sewers, waterways, or low areas.  
Spill Cleanup : 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.  
Accidental Release Measures : No applicable data available.

**Benevia®**

Version 1.0

Revision Date 02/01/2018

Ref. 130000050174

**SECTION 7. HANDLING AND STORAGE**

- Handling (Personnel) : 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.
- Handling (Physical Aspects) : The product is not flammable.
- Dust explosion class : No applicable data available.
- Storage : 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.
- Storage period : No applicable data available.
- Storage temperature : > 0 °C (> 32 °F)

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

- Engineering controls : Ensure adequate ventilation, especially in confined areas.
- Personal protective equipment
- 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 protective equipment required for early entry:  
Coveralls  
Shoes plus socks  
Chemical resistant gloves made of any waterproof material
- 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.
- Exposure Guidelines  
Exposure Limit Values

Cyantraniliprole

**Benevia®**

Version 1.0

Revision Date 02/01/2018

Ref. 130000050174

AEL *	(FMC)	3 mg/m <sup>3</sup>	8 hr. TWA
AEL *	(FMC)	2 mg/m <sup>3</sup>	12 hr. TWA

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

Alkyl Sulfonate Salt  
No applicable data available.

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

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

## Appearance

Physical state	: liquid
Form	: liquid, dispersion
Color	: off-white

Odor : mild, oily

Odor threshold : No applicable data available.

pH : 4 - 7

Melting point/freezing point : Melting point/range  
Not applicable

Boiling point/boiling range : Boiling point/boiling range  
99 °C (210 °F)

Flash point : No flash up to boiling point.

Evaporation rate : No applicable data available.

Flammability (solid, gas) : The product is not flammable.

Upper explosion limit : No applicable data available.

Lower explosion limit : No applicable data available.

**Benevia®**

Version 1.0

Revision Date 02/01/2018

Ref. 130000050174

Vapour Pressure	: No applicable data available.
Vapour density	: No applicable data available.
Specific gravity (Relative density)	: No applicable data available.
Bulk density	: 0.9 - 1.1 g/cm <sup>3</sup>
Water solubility	: dispersible
Solubility(ies)	: No applicable data available.
Partition coefficient: n-octanol/water	: No applicable data available.
Auto-ignition temperature	: 254 °C Auto-ignition temperature
Decomposition temperature	: No applicable data available.
Viscosity, kinematic	: No applicable data available.
Viscosity, dynamic	: No applicable data available.

**SECTION 10. STABILITY AND REACTIVITY**

Reactivity	: No applicable data available.
Chemical stability	: Stable at normal temperatures and storage conditions.
Possibility of hazardous reactions	: No applicable data available.
Conditions to avoid	: Protect from frost.
Incompatible materials	: No applicable data available.
Hazardous decomposition products	: No applicable data available.

**SECTION 11. TOXICOLOGICAL INFORMATION**

Inhalation 4 h LC50 : &gt; 3.3 mg/l , Rat

**Benevia®**

Version 1.0

Revision Date 02/01/2018

Ref. 130000050174

Dermal LD50	:	> 5,000 mg/kg , Rat
Oral LD50	:	> 5,000 mg/kg , Rat
Skin irritation	:	No skin irritation, Rabbit
Eye irritation	:	No eye irritation, Rabbit
Sensitisation	:	May cause sensitisation by skin contact., multiple species

**Carcinogenicity**

The carcinogenicity classifications for this product and/or its ingredients have been determined according to HazCom 2012, Appendix A.6. The classifications may differ from those listed in the National Toxicology Program (NTP) Report on Carcinogens (latest edition) or those found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs (latest edition).

None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, or OSHA, as a carcinogen.

**SECTION 12. ECOLOGICAL INFORMATION****Aquatic Toxicity**

48 h EC50	:	Daphnia magna (Water flea) 0.215 mg/l
Additional ecological information	:	Environmental Hazards: Do not apply directly to water. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. Toxic to bees. Do not apply this product if bees are visiting the treatment area. See product label for additional application instructions relating to environmental precautions.

**SECTION 13. DISPOSAL CONSIDERATIONS**

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



**Benevia®**

Version 1.0

Revision Date 02/01/2018

Ref. 130000050174

Do not transport if this container is damaged or leaking.  
See Section 1 for emergency phone numbers.

Contaminated packaging : No applicable data available.

**SECTION 14. TRANSPORT INFORMATION**

IATA_C	UN number	: 3082
	Proper shipping name	: Environmentally hazardous substance, liquid, n.o.s. (Cyantraniliprole)
	Class	: 9
	Packing group	: III
	Labelling No.	: 9MI
IMDG	UN number	: 3082
	Proper shipping name	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Cyantraniliprole)
	Class	: 9
	Packing group	: III
	Labelling No.	: 9

Not regulated as a hazardous material by DOT.

**SECTION 15. REGULATORY INFORMATION**

Other regulations : This Safety Data Sheet is for a pesticide product registered by the US Environmental Protection Agency (USEPA) and is therefore also subject to certain labeling requirements under US pesticide law (FIFRA). These requirements differ from the classification criteria and hazard information required by OSHA for safety data sheets, and for workplace labels of non-pesticide chemicals. The following is the mandatory hazard information required by USEPA on the pesticide label:

**CAUTION!**

Causes moderate eye irritation. Do not get in eyes. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. This product is toxic to: Aquatic invertebrates This product is highly toxic to: Bees

**Benevia®**

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SARA 313 Regulated Chemical(s)	: 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.
PA Right to Know Regulated Chemical(s)	: Substances on the Pennsylvania Hazardous Substances List present at a concentration of 1% or more (0.01% for Special Hazardous Substances): Fumed silica, crystalline-free
NJ Right to Know Regulated Chemical(s)	: Substances on the New Jersey Workplace Hazardous Substance List present at a concentration of 1% or more (0.1% for substances identified as carcinogens, mutagens or teratogens): Octanol, Fumed silica, crystalline-free
EPA	: In the United States this product is regulated by the US Environmental Protection Agency (EPA) under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA). It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read and follow all label directions. This product is excluded from listing requirements under EPA/TSCA.
California Prop. 65	: Chemicals known to the State of California to cause cancer, birth defects or any other harm: none known

**SECTION 16. OTHER INFORMATION**

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