

# SAFETY DATA SHEET

Cyazypyr Técnico

SDS # : 50000014

Revision date: 31/08/2021

Version 2



## 1. PRODUCT AND COMPANY IDENTIFICATION

### Product Identifier

**Product Name** Cyazypyr Técnico

### Other means of identification

**Product Code(s)** 50000014; 130000030985-CL-A

**Synonyms** CYANTRANILIPROLE:  
3-bromo-1-(3-chloro-2-pyridyl)-4'-cyano-2'-methyl-6'-(methylcarbamoyl)pyrazole-5-carboxanilide (IUPAC name);  
3-bromo-1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-methyl-6-[(methylamino)carbonyl]phenyl]-1H-pyrazole-5-carboxamide (CAS name)

**Active Ingredient(s)** Cyantraniliprole

**Formula** C<sub>19</sub>H<sub>14</sub>BrClN<sub>6</sub>O<sub>2</sub> (Cyantraniliprole)

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

**Recommended Use:** Insecticide, Technical product for formulation purpose only

**Restrictions on Use:** Use as recommended by the label.

### Supplier Address

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

**Distributor** FMC Quimica Chile Ltda.

**Emergency telephone number** CITUC: +56 2 2635 3800 (24 hours); Spills / fire CITUC: +56 2 2247 3600 (24 hours) Fire: 132 (24 hours); 1 703 741 5970 (CHEMTREC - International)

## 2. HAZARDS IDENTIFICATION

### Classification

#### **OSHA Regulatory Status**

Not applicable

This material is considered a dangerous substance or mixture according to the Globally Harmonized System (GHS)

### GHS Label elements, including precautionary statements

## EMERGENCY OVERVIEW

**Warning**

**Precautionary Statements - Prevention**

P273 - Avoid release to the environment

**Precautionary Statements - Response**

P391 - Collect spillage

**Precautionary Statements - Disposal**

P501 - Dispose of contents/container according to label directions

**Hazards not otherwise classified (HNOC)**

No hazards not otherwise classified were identified.

**Other Information**

Very toxic to aquatic life with long lasting effects.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical name	CAS-No	Weight %
Cyantraniliprole	736994-63-1	93-100

Synonyms are provided in Section 1.

**4. FIRST AID MEASURES****General Advice**

The material is not likely to be hazardous, but avoiding contact is advisable. Call a poison control center or doctor for treatment advice. Have the product containers or label with you when calling a poison control center or doctor, or going for treatment.

**Eye Contact**

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 eye. Call a poison control center or doctor for further treatment advice.

**Skin Contact**

Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for further treatment advice.

**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 further treatment advice.

**Ingestion**

Clean mouth with water and afterwards drink plenty of water

**Most important symptoms and effects, both acute and delayed**

To the best of our knowledge, adverse effects in humans have not been reported.

**Indication of immediate medical attention and special treatment needed, if necessary**

Treat symptomatically.

**5. FIRE-FIGHTING MEASURES****Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the

surrounding environment: Water spray, Foam, Dry chemical or CO2.

**Unsuitable extinguishing media** Avoid heavy hose streams.

**Specific Hazards Arising from the Chemical**

**Hazardous Combustion Products** Carbon oxides (COx). Nitrogen oxides (NOx).

**Explosion data**

**Sensitivity to Mechanical Impact** Not sensitive.

**Sensitivity to Static Discharge** Not sensitive.

**Protective equipment and precautions for firefighters** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Dike to prevent runoff.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions** Avoid dust formation. Isolate and post spill area. Remove all sources of ignition. Wear protective gloves/clothing and eye/face protection. For personal protection see section 8.

**Other** For further clean-up instructions, call FMC Emergency Hotline number listed in Section 1 "Product and Company Identification" above.

**Environmental Precautions** Do not release to the environment. Try to prevent the material from entering drains or water courses. Recover the product in solid form, if possible.

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Pick up and transfer to properly labeled containers.

**Prevention of secondary hazards** See also section 8, 12, 14.

## 7. HANDLING AND STORAGE

**Handling** Wash hands before eating, drinking, chewing gum, using tobacco, or using toilet. Remove and wash contaminated clothing before re-use. Like most organic powders, the substance can form explosive mixtures with air. Avoid dust formation and take precautionary measures against static discharge. Use explosion protected equipment. Keep away from sources of ignition and protect from exposure to fire and heat.

**Storage** Keep away from open flames, hot surfaces and sources of ignition. Keep in a dry, cool and well-ventilated place. Keep out of reach of children and animals. Keep/store only in original container.

**Incompatible products** No information available

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters**

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

**Appropriate engineering controls**

**Engineering measures** Avoid dust formation. When working in confined spaces (tanks, containers, etc.), ensure that there is a supply of air suitable for breathing and wear the recommended equipment.

**Individual protection measures, such as personal protective equipment**

**Eye/Face Protection** For dust, splash, mist or spray exposure, wear chemical protective goggles.

**Skin and Body Protection** Wear suitable protective clothing. Protective shoes or boots.

<b>Hand Protection</b>	Protective gloves
<b>Respiratory Protection</b>	For dust, splash, mist or spray exposures, wear a filtering mask.
<b>Hygiene measures</b>	Clean water should be available for washing in case of eye or skin contamination. Remove and wash contaminated clothing before re-use. Wash skin prior to eating, drinking, chewing gum or using tobacco. Shower or bathe at the end of working. Launder work clothing separately from regular household laundry.
<b>General information</b>	If the product is used in mixtures, it is recommended that you contact the appropriate protective equipment suppliers.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Appearance</b>	Crystalline powder
<b>Physical State</b>	Solid
<b>Color</b>	Off-white
<b>Odor</b>	Odorless
<b>Odor threshold</b>	No information available
<b>pH</b>	5.6 (10 g/L, 21 °C)
<b>Melting point/freezing point</b>	217 °C
<b>Boiling Point/Range</b>	No information available
<b>Flash point</b>	Not applicable
<b>Evaporation Rate</b>	No information available
<b>Flammability (solid, gas)</b>	No information available
<b>Flammability Limit in Air</b>	
Upper flammability limit:	No information available
Lower flammability limit:	No information available
<b>Vapor pressure</b>	> 0.000051 hPa
<b>Vapor density</b>	No information available
<b>Relative density</b>	No information available
<b>Specific gravity</b>	1.38 @ 20°C
<b>Water solubility</b>	slightly soluble
<b>Solubility in other solvents</b>	No information available
<b>Partition coefficient</b>	1.94 log Pow 22 °C
<b>Autoignition temperature</b>	No information available
<b>Decomposition temperature</b>	350 °C
<b>Viscosity, kinematic</b>	No information available
<b>Viscosity, dynamic</b>	No information available
<b>Explosive properties</b>	Fine dust dispersed in air may ignite
<b>Oxidizing properties</b>	Non-oxidizing
<b>Molecular weight</b>	No information available
<b>Bulk density</b>	No information available

## 10. STABILITY AND REACTIVITY

<b>Reactivity</b>	None under normal use conditions
<b>Chemical Stability</b>	Stable under recommended storage conditions.
<b>Possibility of Hazardous Reactions</b>	None under normal processing.
<b>Hazardous polymerization</b>	Hazardous polymerization does not occur.
<b>Conditions to avoid</b>	Excessive dust formation may pose a dust explosion hazard.
<b>Incompatible materials</b>	No information available.
<b>Hazardous Decomposition Products</b>	None known based on information supplied.

## 11. TOXICOLOGICAL INFORMATION

### Product Information

LD50 Oral > 5000 mg/kg (rat)  
LD50 Dermal > 5000 mg/kg (rat)  
LC50 Inhalation > 5.2 mg/L 4 hr (rat)

Serious eye damage/eye irritation Non-irritating (rabbit).  
Skin corrosion/irritation Non-irritating (rabbit).  
Sensitization Did not cause sensitization on laboratory animals

Chemical name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Cyantraniliprole (736994-63-1)	> 5000 mg/kg	> 5000 mg/kg	>5.2 mg/L

#### Information on toxicological effects

**Symptoms** To our knowledge, adverse effects in humans have not been reported.

#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Chronic toxicity** The following effects occurred at exposure levels that significantly exceed those expected under the label use conditions. Thyroid effects and organ weight changes were observed in rats fed cyantraniliprole for 28 and 90 days.

**Mutagenicity** Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

**Carcinogenicity** Not recognized as carcinogenic by Research Agencies (IARC, NTP, OSHA, ACGIH)

**Neurological effects** No neurotoxicity observed in animal studies.

**Reproductive toxicity** No toxicity to reproduction in animal studies.

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

**STOT - single exposure** No known effects under normal use conditions.

**STOT - repeated exposure** The following effects occurred at exposure levels that significantly exceed those expected under the label use conditions. Effects on the thyroid, gallbladder, liver, blood chemistry, and vascular system.

**Neurological effects** No neurotoxicity observed in animal studies.

**Aspiration hazard** The substance does not present an aspiration pneumonia hazard.

## 12. ECOLOGICAL INFORMATION

#### Ecotoxicity

Very toxic to aquatic life with long lasting effects.

Cyantraniliprole (736994-63-1)				
Active Ingredient(s)	Duration	Species	Value	Units
Cyantraniliprole	96 h LC50	Onchorhyncus mykiss	> 12.6	mg/L
	48 h LC50	Daphnia magna	0.0204	mg/L
	72 h EC50 (Growth rate ErC50)	Green algae (Selenastrum capricornutum)	>13	mg/L
	28-day NOEC	Cyprinodon variegatus	2.9	mg/L
	21 d NOEC	Daphnia magna	0.00656	mg/L
	48-h LD50 oral	Bee	>0.1055	µg/bee
	48-h LD50 contact	Bee	> 0.0934	µg/bee

**Persistence and degradability** No information available.

**Bioaccumulation** No information available.

## 13. DISPOSAL CONSIDERATIONS

**Waste disposal methods** Do not contaminate other pesticides, fertilizers, water, food, or feed by storage or disposal.

It must undergo special treatment, e.g. at suitable disposal site, to comply with local regulations.

**Contaminated Packaging**

Refer to product label for specific residue removal instructions. Containers must be disposed of in accordance with local regulations. Refer to the product label for container disposal instructions.

## 14. TRANSPORT INFORMATION

**DOT**

NOT REGULATED

**ICAO/IATA**

<b>UN/ID no</b>	3077
<b>Proper Shipping Name</b>	Environmentally hazardous substance, solid, n.o.s. (Cyantraniliprole)
<b>Hazard class</b>	9
<b>Packing Group</b>	III

**IMDG/IMO**

<b>UN/ID no</b>	3077
<b>Proper Shipping Name</b>	Environmentally hazardous substance, solid, n.o.s. (Cyantraniliprole)
<b>Hazard class</b>	9
<b>Packing Group</b>	III
<b>Marine Pollutant</b>	Yes

## 15. REGULATORY INFORMATION

**U.S. Federal Regulations****SARA 313**

Not applicable

**SARA 311/312 Hazard Categories**

<b>Acute health hazard</b>	refer to Section 2
<b>Chronic health hazard</b>	refer to Section 2
<b>Fire hazard</b>	refer to Section 2
<b>Sudden release of pressure hazard</b>	refer to Section 2
<b>Reactive Hazard</b>	refer to Section 2

**Clean Water Act**

Not applicable

**CERCLA**

Not applicable

*FIFRA Information***US State Regulations****California Proposition 65**

Not applicable.

**U.S. State Right-to-Know Regulations**

Not applicable

International Inventories**16. OTHER INFORMATION**

NFPA	Health Hazards 0	Flammability 0	Instability 0	Special Hazards -
HMIS	Health Hazards 0	Flammability 0	Physical hazard 0	Personal Protection X

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Reason for revision: Product code, Chemtrec number

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Prepared By:

**End of Safety Data Sheet**