

Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH)
Classifications according to Regulation (EC) No 1272/2008.
Printdate 10 Nov 2023

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product name:

Tetraniliprole

1.1. Catalog No.:

685423

1.2. Relevant identified uses of the substance or mixture

Identified: Laboratory chemical
uses: R&D

1.3. Uses advised against:

HPC Standards GmbH
Am Wieseneck 7

04451 Cunnersdorf
Deutschland

Tel. +49 34291 3372-36
Fax. +49 34291 3372-39
contact@hpc-standards.com

1.4. Emergency telephone number

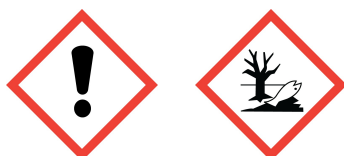
HPC Standards Tel. +49 34291 3372-36
This number is only available during office hours.

2. HAZARDS IDENTIFICATION

2.1 Classification of the Substance or Mixture
Classification according to Regulation (EC) No 1272/2008
Skin Irritation (Category 2)
Eye Damage/Irritation (Category 2A)
Sensitisation, Skin (Category 1)
Hazardous to the Aquatic Environment, Acute Hazard (Category 1)
Hazardous to the Aquatic Environment, Long-Term Hazard (Category 1)

2.2. Label elements

2.2.1. Pictogram



2.2.2.

2.2 Label elements
Signal Word Warning

GHS Hazard Statements

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

GHS Precautionary Statements

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

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

P305/P351/P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.

P332/P313 If skin irritation occurs: Get medical advice/ attention.

P391 Collect spillage.

2.3 Unclassified Hazards/Hazards Not Otherwise Classified

No data available

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Synonyms:

1-(3-Chloro-2-pyridinyl)-N-[4-cyano-2-methyl-6-[(methylamino)carbonyl]phenyl]-3-[[5-(trifluoromethyl)-2H-tetrazol-2-yl]methyl]-1H-

pyrazole-5-carboxamide;

1-(3-Chloropyridin-2-yl)-N-[4-cyano-2-methyl-6-(methylcarbamoyl)phenyl]-3-[[5-(trifluoromethyl)-2H-tetrazol-2-yl]methyl]-1H-

pyrazole-5-carboxamide

3.2 Mixtures

Not a mixture

3.1.1. Formula

C22H16ClF3N10O2

3.1.2. Molecular Weight (g/mol)

544.88

3.1.3. CAS-No.

1229654-66-3

4. FIRST AID MEASURES

4.1 Description of First Aid Measures

General Advice

If medical attention is required, show this safety data sheet to the doctor.

If Inhaled

If inhaled, move person to fresh air. If not breathing, give artificial respiration and consult a physician.

In Case of Skin Contact

Wash affected area with soap and water. Consult a physician if any exposure symptoms are observed.

In Case of Eye Contact

Immediately rinse eyes with plenty of water for at least 15 minutes. Consult a physician.

If Swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Do NOT induce vomiting unless advised to do so

by a physician or Poison Control Center. Seek medical attention.

4.2 Most Important Symptoms and Effects, Both Acute and Delayed

The most important known symptoms and effects are described in the labeling (see section 2.2) and/or section 11.

4.3 Indication of any Immediate Medical Attention and Special Treatment Needed

No data available

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special Hazards Arising from the Substance or Mixture

Nitrogen oxides, Carbon oxides, Hydrogen chloride, Hydrogen fluoride

5.3 Advice for Firefighters

Wear self contained breathing apparatus for fire fighting if necessary. Use personal protection equipment.

5.4 Further Information

No data available.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Wear respiratory protection. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation.

Evacuate

personnel to safe areas. Avoid breathing dust. Avoid contact with skin, eyes or clothing.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Method and materials for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols.

Provide appropriate exhaust ventilation at places where dust is formed.

7.2 Conditions for safe storage

Keep container tightly closed in a dry and well-ventilated place.

Keep in a dry place.

Storage conditions: No Data Available

7.3 Specific End Uses

For scientific research and development only. Not for use in humans or animals.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

Contains no components with established occupational exposure limits.

8.2 Exposure Controls

Appropriate Engineering Controls

A laboratory fumehood or other appropriate form of local exhaust ventilation should be used to avoid exposure.

Personal Protective Equipment

All recommendations below are advisory in nature and a risk assessment should be performed by the employer/end user prior to use of this product. The type of protective equipment must be selected based on the amount and concentration of the dangerous

material being used in the workplace.

Eye/Face Protection

Safety goggles or face shield.

Skin Protection

Gloves should be used when handling this material. Gloves are to be inspected prior to use. Contaminated gloves are to be removed using proper glove removal technique so that the outer surface of the glove does not contact bare skin. Dispose of contaminated gloves after use in compliance with good laboratory practices and local requirements.

Gloves used for incidental exposures (splash protection) should be designated as «chemical resistant» by EU standard EN 374 with

the resistance codes corresponding to the anticipated use of the material. Unrated gloves are not recommended.

Penetration time has not been determined.

Gloves used for prolonged direct exposure (immersion) should be designated «chemical resistant» as per EN 734 with the resistance

codes corresponding to the anticipated use of the material.

Penetration time has not been determined.

These recommendations may not apply if the material is mixed with any other chemical, or dissolved into a solution. A risk assessment must be performed to ensure the gloves will still offer acceptable protection.

Body Protection

Fire resistant lab coat or coveralls.

Respiratory Protection

Recommended respirators are NIOSH-approved N100 or CEN-approved FFP3 particulate respirators. These are to be only used as a backup to local exhaust ventilation or other engineering controls. If the respirator is the only means of protection, a full-face supplied air respirator must be used.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties

A) Appearance No data available

B) Odour No data available

C) Odour Threshold No data available

D) pH No data available

E) Melting Point/Freezing Point No data available

F) Initial Boiling Point/Boiling Range No data available

G) Flash point No data available

H) Evaporation Rate No data available

I) Flammability (Solid/Gas) No data available

J) Upper/Lower Flammability/Explosive Limits No data available

K) Vapour Pressure No data available

L) Vapour Density No data available

M) Relative Density 1.47 g/cm³

N) Solubility No data available

O) Partition Coefficient: n-octanol/water 2.6

P) Auto-Ignition Temperature No data available

Q) Decomposition Temperature No data available

R) Viscosity No data available

S) Explosive Properties No data available
T) Oxidizing Properties No data available

10. STABILITY AND REACTIVITY

10.1 Reactivity
No information available.
10.2 Chemical Stability
Stable under normal conditions.
10.3 Possibility of Hazardous Reactions
None under normal processing.
10.4 Conditions to Avoid
None known based on information supplied.
10.5 Incompatible Materials
Strong acids. Strong bases. Strong oxidising agents.
10.6 Hazardous Decomposition Products
In the event of fire: See section 5. Other decomposition products: No data available.

11. TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects
A) Acute Toxicity
Oral LD50: Rat - > 2000 mg/kg
Dermal LD50: Rat - > 2000 mg/kg
Inhalation LC50: Rat - > 5.01 mg/L - 4h
B) Skin Corrosion/Irritation
Moderate skin irritant.
C) Serious Eye Damage/Irritation
Moderate eye irritant.
D) Respiratory or Skin Sensitization
May cause an allergic skin reaction.
E) Germ Cell Mutagenicity
No data available
F) Carcinogenicity
No data available
G) Reproductive Toxicity/Teratogenicity
No data available
H) Single Target Organ Toxicity - Single Exposure
No data available
I) Single Target Organ Toxicity - Repeated Exposure
No data available
J) Aspiration Hazard
No data available
K) Potential Health Effects and Routes of Exposure
Inhalation
May be harmful if inhaled. May cause respiratory tract irritation.
Ingestion
May be harmful if swallowed.
Skin
May be harmful if absorbed through skin. Causes skin irritation.
Eyes
Causes eye irritation.
L) Signs and Symptoms of Exposure
The most important known symptoms and effects are described in the labeling (see section 2.2) and/or section 11.
To the best of our knowledge, the chemical, physical, and toxicological properties of this material have not been thoroughly investigated.
M) Additional Information
RTECS: Not listed

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity to algae/ aquatic plants: EC50 - Algae - 1.49 mg/L - 72 h

Toxicity to fish: LC50 - Oncorhynchus mykiss - 9.09 mg/L - 96 h

Toxicity to crustacea: EC50 - Daphnia magna - 0.173 mg/L - 48 h

12.2 Persistence and Degradability

No information available.

12.3 Bioaccumulative Potential

No information available.

12.4 Mobility in Soil

No information available.

12.5 Results of PBT and vPvB Assessment

No information available.

12.6 Other Adverse Effects

No information available.

13. DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods

A) Product

Product may be burned in an incinerator equipped with afterburner and scrubber. Excess and expired materials are to be offered to a licensed hazardous material disposal company. Ensure that all Federal and Local regulations regarding the disposal and destruction of this material are followed.

B) Contaminated Packaging

Dispose of as above.

C) Other Considerations

Product is not to be disposed of in sanitary sewers, storm sewers, or landfills

14. TRANSPORT INFORMATION

14.1 UN Number

DOT (US): N/A

IATA: UN3077

IMDG: UN3077

ADR/RID: UN3077

14.2 UN Proper Shipping Name

DOT (US)/IATA:

Not hazardous goods/Environmentally hazardous substances, solid, n.o.s. (Tetraniliprole)

IMDG/ARD/RID:

Environmentally hazardous substances, solid, n.o.s. (Tetraniliprole)

14.3 Transport Hazard Class(es)

DOT (US): N/A

IATA: 9

IMDG: 9

ADR/RID: 9

14.4 Packing Group

DOT (US): N/A

IATA: III

IMDG: III

ADR/RID: III

14.5 Environmental Hazards

DOT (US): N/A

IATA: N/A

IMDG: Marine pollutant

ADR/RID: N/A

14.6 Special Precautions for User

None

15. REGULATORY INFORMATION

This safety data sheet complies with the requirements of WHMIS (Canada), OSHA 1910.1200 (US), and EU Regulation EC No. 1907/2006 (European Union).

15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture

A) Canada

DSL/NDSL Status: This product is not listed on the Canadian DSL/NDSL.

B) United States

TSCA Status: This product is not listed on the US EPA TSCA.

C) European Union

ECHA Status: This product is not registered with the EU ECHA.

15.2 Chemical Safety Assessment

No data available

16. OTHER INFORMATION

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. For lab use only!