

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



10% Cyantraniliprole OD

Version	Revision Date:	SDS Number:	Date of last issue: -
1.1	2022/10/13	50000912	Date of first issue: 2018/03/01

1. PRODUCT AND COMPANY IDENTIFICATION

Product name : 10% Cyantraniliprole OD

Recommended use of the chemical and restrictions on use

Recommended use : Insecticide

Restrictions on use : Use as recommended by the label.

Manufacturer or supplier's details

Company : FMC Corporation

Address : 2929 WALNUT ST
PHILADELPHIA PA 19104
USA

Telephone : (215) 299-6000

E-mail address : SDS-Info@fmc.com

Emergency telephone : For leak, fire, spill or accident emergencies, call:
0086-0532 8388 9090 (National Registration Center for Chemicals)

Medical emergency:
86 532 8388 9090

2. HAZARDS IDENTIFICATION

Emergency Overview

Appearance	: Liquid dispersion
Color	: off-white
Odor	: mild, oily

May cause an allergic skin reaction. Very toxic to aquatic life with long lasting effects.

GHS Classification

Skin sensitization : Category 1

Short-term (acute) aquatic hazard : Category 1

Long-term (chronic) aquatic hazard : Category 1

GHS label elements


SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



10% Cyantraniliprole OD

Version 1.1 Revision Date: 2022/10/13 SDS Number: 50000912 Date of last issue: -
Date of first issue: 2018/03/01

Hazard pictograms : 

Signal Word : Warning

Hazard Statements : H317 May cause an allergic skin reaction.
H410 Very toxic to aquatic life with long lasting effects.

Precautionary Statements : **Prevention:**
P261 Avoid breathing mist or vapors.
P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.
P280 Wear protective gloves.
Response:
P302 + P352 IF ON SKIN: Wash with plenty of water.
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.
P391 Collect spillage.
Disposal:
P501 Dispose of contents/ container to an approved waste disposal plant.

Physical and chemical hazards

Not classified based on available information.

Health hazards

May cause an allergic skin reaction.

Environmental hazards

Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.

Other hazards which do not result in classification

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Components

Chemical name	CAS-No.	Concentration (% w/w)
Cyantraniliprole	736994-63-1	>= 10 -< 20
Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., calcium salts	84989-14-0	>= 10 -< 20
Fatty acids, soya, Me esters	68919-53-9	>= 50 -< 70
2-methylpropan-1-ol	78-83-1	>= 3 -< 10

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



10% Cyantraniliprole OD

Version 1.1 Revision Date: 2022/10/13 SDS Number: 50000912 Date of last issue: -
Date of first issue: 2018/03/01

Poly(oxy-1,2-ethanediyl), .alpha.-hydro-.omega.-[[[(9Z)-1-oxo-9-octadecenyl]oxy]-, ether with D-glucitol (6:1)	57171-56-9	≥ 2.5 -< 10
methyl decanoate	110-42-9	≥ 0.25 -< 1

4. FIRST AID MEASURES

- General advice : Move out of dangerous area.
Show this safety data sheet to the doctor in attendance.
Do not leave the victim unattended.
- If inhaled : Consult a physician after significant exposure.
If unconscious, place in recovery position and seek medical advice.
- In case of skin contact : If on clothes, remove clothes.
If on skin, rinse well with water.
Wash off with soap and plenty of water.
Get medical attention if irritation develops and persists.
- In case of eye contact : Flush eyes with water as a precaution.
Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.
- If swallowed : Keep respiratory tract clear.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.
Do not induce vomiting without medical advice.
- Most important symptoms and effects, both acute and delayed : May cause an allergic skin reaction.
May be harmful if inhaled.
- Protection of first-aiders : Avoid inhalation, ingestion and contact with skin and eyes.
- Notes to physician : Treat symptomatically.

5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Carbon dioxide (CO₂)
Dry chemical
Regular foam
Water spray
- Unsuitable extinguishing media : High volume water jet
- Hazardous combustion products : Hazardous combustion products
Sulfur oxides

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



10% Cyantraniliprole OD

Version	Revision Date:	SDS Number:	Date of last issue: -
1.1	2022/10/13	50000912	Date of first issue: 2018/03/01

Halogenated compounds
Nitrogen oxides (NO_x)
Carbon oxides

- Specific extinguishing methods : Remove undamaged containers from fire area if it is safe to do so.
Use a water spray to cool fully closed containers.
Standard procedure for chemical fires.
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Special protective equipment for fire-fighters : Firefighters should wear protective clothing and self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Evacuate personnel to safe areas.
Use personal protective equipment.
If it can be safely done, stop the leak.
Do not touch or walk through the spilled material.
- Environmental precautions : Prevent further leakage or spillage if safe to do so.
Try to prevent the material from entering drains or water courses.
- Methods and materials for containment and cleaning up : Collect as much of the spill as possible with a suitable absorbent material.
Never return spills in original containers for re-use.
Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE

Handling

- Advice on protection against fire and explosion : Normal measures for preventive fire protection.
- Advice on safe handling : For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.
Dispose of rinse water in accordance with local and national regulations.
Avoid formation of respirable particles.
- Avoidance of contact : Strong oxidizing agents
Strong acids and strong bases

Storage

- Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place.
Containers which are opened must be carefully resealed and kept upright to prevent leakage.

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



10% Cyantraniliprole OD

Version 1.1 Revision Date: 2022/10/13 SDS Number: 50000912 Date of last issue: -
Date of first issue: 2018/03/01

Electrical installations / working materials must comply with the technological safety standards.

Further information on storage stability : No decomposition if stored and applied as directed.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
2-methylpropan-1-ol	78-83-1	TWA	50 ppm	ACGIH

Personal protective equipment

Respiratory protection : In the case of dust or aerosol formation use respirator with an approved filter.

Eye/face protection : Safety glasses

Skin and body protection : Protective suit

Hand protection
Material : Protective gloves

Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Protective measures : Plan first aid action before beginning work with this product.

Hygiene measures : General industrial hygiene practice.
Avoid contact with skin, eyes and clothing.
Do not inhale aerosol.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Liquid dispersion

Color : off-white

Odor : mild, oily

pH : 5.1
Concentration: 10 g/l
(as a dispersion)

Melting point/freezing point : not determined

Boiling point/boiling range : 99 °C

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



10% Cyantraniliprole OD

Version	Revision Date:	SDS Number:	Date of last issue: -
1.1	2022/10/13	50000912	Date of first issue: 2018/03/01

Flash point	:	> 99 °C
		Method: closed cup
Flammability (liquids)	:	Not highly flammable
Self-ignition	:	254 °C
Upper explosion limit / Upper flammability limit	:	not determined
Lower explosion limit / Lower flammability limit	:	not determined
Relative vapor density	:	Not available for this mixture.
Relative density	:	0.978
Density	:	No data available
Bulk density	:	0.9 - 1.1 g/cm ³
Solubility(ies)	:	
Water solubility	:	dispersible
Autoignition temperature	:	No data available
Decomposition temperature	:	not determined
Viscosity	:	
Viscosity, dynamic	:	345 mPa.s 25 rpm
		257 mPa.s 50 rpm
		200 mPa.s 100 rpm
Viscosity, kinematic	:	353 mm ² /s 25 rpm
		204 mm ² /s 100 rpm
Explosive properties	:	Not explosive
Oxidizing properties	:	The product is not oxidizing.

10. STABILITY AND REACTIVITY

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



10% Cyantraniliprole OD

Version	Revision Date:	SDS Number:	Date of last issue: -
1.1	2022/10/13	50000912	Date of first issue: 2018/03/01

Reactivity	:	No decomposition if stored and applied as directed.
Chemical stability	:	No decomposition if stored and applied as directed.
Possibility of hazardous reactions	:	No decomposition if stored and applied as directed.
Conditions to avoid	:	Avoid formation of aerosol. Heat, flames and sparks. Avoid extreme temperatures.
Incompatible materials	:	Strong oxidizing agents Strong acids and strong bases
Hazardous decomposition products	:	Stable under recommended storage conditions.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

May be harmful if inhaled.

Product:

Acute oral toxicity	:	LD50 (Rat): > 5,000 mg/kg Method: OECD Test Guideline 425 GLP: yes Assessment: The substance or mixture has no acute oral toxicity
Acute inhalation toxicity	:	LC50 (Rat): > 3.3 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: OECD Test Guideline 403 GLP: yes Assessment: The substance or mixture has no acute inhalation toxicity
Acute dermal toxicity	:	LD50 (Rat): > 5,000 mg/kg Method: OECD Test Guideline 402 GLP: yes Assessment: The substance or mixture has no acute dermal toxicity

Components:

Cyantraniliprole:

Acute oral toxicity	:	LD50 (Rat): > 5,000 mg/kg Method: OECD Test Guideline 425
Acute inhalation toxicity	:	LC50 (Rat): > 5.2 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: OECD Test Guideline 403

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



10% Cyantraniliprole OD

Version	Revision Date:	SDS Number:	Date of last issue: -
1.1	2022/10/13	50000912	Date of first issue: 2018/03/01

Assessment: The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity : LD50 (Rat): > 5,000 mg/kg
Method: OECD Test Guideline 402

Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., calcium salts:

Acute oral toxicity : LD50 (Rat, male and female): 1,080 - 1,630 mg/kg
Method: OECD Test Guideline 401
Remarks: Based on data from similar materials

Acute dermal toxicity : LD50 (Rat, male and female): > 2,000 mg/kg
Method: OECD Test Guideline 402
Remarks: Based on data from similar materials

Fatty acids, soya, Me esters:

Acute oral toxicity : LD50 (Rat): 5,000 - 15,000 mg/kg

Acute dermal toxicity : LD50 (Rabbit): 2,000 - 20,000 mg/kg

2-methylpropan-1-ol:

Acute oral toxicity : LD50 (Rat): 3,350 mg/kg

Acute inhalation toxicity : LC50 (Rat): > 18.18 mg/l
Exposure time: 6 h
Test atmosphere: vapor
Assessment: The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity : LD50 (Rabbit): 2,460 mg/kg

methyl decanoate:

Acute oral toxicity : LD50 (Rat, male and female): > 2,000 mg/kg
Remarks: Based on data from similar materials

Acute inhalation toxicity : LC0 (Rat, male and female): > 5 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Method: OECD Test Guideline 436
Remarks: Based on data from similar materials
no mortality

Skin corrosion/irritation

Not classified based on available information.

Product:

Species : Rabbit
Exposure time : 72 h
Assessment : Not classified as irritant
Method : OECD Test Guideline 404

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



10% Cyantraniliprole OD

Version	Revision Date:	SDS Number:	Date of last issue: -
1.1	2022/10/13	50000912	Date of first issue: 2018/03/01

Result : No skin irritation
GLP : yes

Components:

Cyantraniliprole:

Species : Rabbit
Method : OECD Test Guideline 404
Result : No skin irritation

Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., calcium salts:

Species : reconstructed human epidermis (RhE)
Method : OECD Test Guideline 439
Result : Skin irritation

Fatty acids, soya, Me esters:

Result : slight irritation

2-methylpropan-1-ol:

Species : Rabbit
Result : Skin irritation

Poly(oxy-1,2-ethanediyl), .alpha.-hydro-.omega.-[[[(9Z)-1-oxo-9-octadecenyl]oxy]-, ether with D-glucitol (6:1):

Result : Skin irritation

Serious eye damage/eye irritation

Not classified based on available information.

Product:

Species : Rabbit
Result : No eye irritation
Exposure time : 72 h
Assessment : No eye irritation
Method : OECD Test Guideline 405
GLP : yes

Components:

Cyantraniliprole:

Species : Rabbit
Result : No eye irritation
Method : OECD Test Guideline 405

Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., calcium salts:

Species : Bovine cornea
Result : Irreversible effects on the eye
Method : OECD Test Guideline 437

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



10% Cyantraniliprole OD

Version	Revision Date:	SDS Number:	Date of last issue: -
1.1	2022/10/13	50000912	Date of first issue: 2018/03/01

Fatty acids, soya, Me esters:

Result : Irritation to eyes, reversing within 7 days

2-methylpropan-1-ol:

Species : Rabbit
Result : Irreversible effects on the eye

Poly(oxy-1,2-ethanediyl), .alpha.-hydro.-omega.-[[[(9Z)-1-oxo-9-octadecenyl]oxy]-, ether with D-glucitol (6:1):

Result : Moderate eye irritation

methyl decanoate:

Species : Rabbit
Result : No eye irritation
Remarks : Based on data from similar materials

Respiratory or skin sensitization

Skin sensitization

May cause an allergic skin reaction.

Respiratory sensitization

Not classified based on available information.

Product:

Species : multiple species
Method : OECD Test Guideline 406
Result : May cause sensitization by skin contact.

Test Type : Local lymph node test
Species : mice
Assessment : May cause sensitization by skin contact.
Method : OECD Test Guideline 429
Result : Causes sensitization.
GLP : yes
Remarks : Causes sensitization.

Components:

Cyantraniliprole:

Method : OECD Test Guideline 429
Result : Does not cause skin sensitization.

Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., calcium salts:

Test Type : Maximization Test
Species : Guinea pig
Method : OECD Test Guideline 406
Result : Does not cause skin sensitization.
Remarks : Based on data from similar materials

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



10% Cyantraniliprole OD

Version	Revision Date:	SDS Number:	Date of last issue: -
1.1	2022/10/13	50000912	Date of first issue: 2018/03/01

Fatty acids, soya, Me esters:

Result : Does not cause skin sensitization.

2-methylpropan-1-ol:

Routes of exposure : Skin contact
Result : Not a skin sensitizer.

methyl decanoate:

Test Type : Maximization Test
Routes of exposure : Skin contact
Species : Guinea pig
Method : OECD Test Guideline 406
Result : Does not cause skin sensitization.
Remarks : Based on data from similar materials

Germ cell mutagenicity

Not classified based on available information.

Product:

Genotoxicity in vitro : Test Type: Ames test
Method: OECD Test Guideline 471
Result: negative

Genotoxicity in vivo : Test Type: Bone marrow chromosome aberration.
Species: Mouse
Method: OECD Test Guideline 474
Result: negative

Germ cell mutagenicity - Assessment : Contains no ingredient listed as a mutagen

Components:

Cyantraniliprole:

Germ cell mutagenicity - Assessment : Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., calcium salts:

Genotoxicity in vitro : Test Type: reverse mutation assay
Result: negative
Remarks: Based on data from similar materials

Genotoxicity in vivo : Test Type: Bone marrow chromosome aberration.
Species: Mouse
Application Route: Oral
Method: OECD Test Guideline 475
Result: negative
Remarks: Based on data from similar materials

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

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



10% Cyantraniliprole OD

Version	Revision Date:	SDS Number:	Date of last issue: -
1.1	2022/10/13	50000912	Date of first issue: 2018/03/01

Assessment cell mutagen.

2-methylpropan-1-ol:

Genotoxicity in vitro : Result: negative

Genotoxicity in vivo : Result: negative

methyl decanoate:

Genotoxicity in vitro : Test Type: Chromosome aberration test in vitro
Method: OECD Test Guideline 473
Result: negative
Remarks: Based on data from similar materials

Genotoxicity in vivo : Test Type: Chromosome aberration test in vitro
Species: Chinese hamster (male and female)
Application Route: Oral
Result: negative

Carcinogenicity

Not classified based on available information.

Product:

Carcinogenicity - Assessment : Contains no ingredient listed as a carcinogen

Components:

Cyantraniliprole:

Carcinogenicity - Assessment : Weight of evidence does not support classification as a carcinogen

Fatty acids, soya, Me esters:

Carcinogenicity - Assessment : Weight of evidence does not support classification as a carcinogen

Poly(oxy-1,2-ethanediyl), .alpha.-hydro-.omega.-[[[(9Z)-1-oxo-9-octadecenyl]oxy]-, ether with D-glucitol (6:1):

Carcinogenicity - Assessment : Weight of evidence does not support classification as a carcinogen

Reproductive toxicity

Not classified based on available information.

Product:

Reproductive toxicity - Assessment : Contains no ingredient listed as toxic to reproduction

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



10% Cyantraniliprole OD

Version	Revision Date:	SDS Number:	Date of last issue: -
1.1	2022/10/13	50000912	Date of first issue: 2018/03/01

Components:

Cyantraniliprole:

Reproductive toxicity - Assessment : Weight of evidence does not support classification for reproductive toxicity

Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., calcium salts:

Effects on fertility : Test Type: Two-generation study
General Toxicity Parent: NOAEL: > 350 mg/kg body weight
General Toxicity F1: NOAEL: > 350 mg/kg body weight
Method: OECD Test Guideline 416
Result: negative
Remarks: Based on data from similar materials

Effects on fetal development : Test Type: reproductive and developmental toxicity study
Species: Rat
Developmental Toxicity: NOAEL: > 350 mg/kg body weight
Result: negative
Remarks: Based on data from similar materials

Reproductive toxicity - Assessment : Weight of evidence does not support classification for reproductive toxicity

2-methylpropan-1-ol:

Effects on fertility : Species: Rat
Application Route: Inhalation
Fertility: NOAEC Mating/Fertility: 7.5 mg/l

methyl decanoate:

Effects on fertility : Test Type: reproductive and developmental toxicity study
Species: Rat, male and female
Application Route: Oral
Method: OECD Test Guideline 422
Result: negative
Remarks: Based on data from similar materials

Effects on fetal development : Test Type: reproductive and developmental toxicity study
Species: Rat
Application Route: Oral
Method: OECD Test Guideline 422
Result: negative
Remarks: Based on data from similar materials

STOT-single exposure

Not classified based on available information.

Product:

Assessment : The substance or mixture is not classified as specific target organ toxicant, single exposure.

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



10% Cyantraniliprole OD

Version	Revision Date:	SDS Number:	Date of last issue: -
1.1	2022/10/13	50000912	Date of first issue: 2018/03/01

Components:

Cyantraniliprole:

Assessment : The substance or mixture is not classified as specific target organ toxicant, single exposure.

2-methylpropan-1-ol:

Assessment : May cause respiratory irritation.
May cause drowsiness or dizziness.

STOT-repeated exposure

Not classified based on available information.

Product:

Assessment : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Components:

Cyantraniliprole:

Assessment : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., calcium salts:

Assessment : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Repeated dose toxicity

Components:

Cyantraniliprole:

Species : Rat
NOAEL : > 1,000 mg/kg
Application Route : Oral
Exposure time : 28 d
Method : OECD Test Guideline 407
Symptoms : increased liver weight
Remarks : Based on available data, the classification criteria are not met.

Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., calcium salts:

Species : Rat, male and female
NOAEL : 85 mg/kg
LOAEL : 145 mg/kg
Application Route : Oral
Exposure time : 9 mo
Target Organs : Kidney, Liver
Remarks : Based on data from similar materials

2-methylpropan-1-ol:

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



10% Cyantraniliprole OD

Version	Revision Date:	SDS Number:	Date of last issue: -
1.1	2022/10/13	50000912	Date of first issue: 2018/03/01

Species : Rat
: 1450 mg/kg
Application Route : Oral

Species : Rat
: 7.5 mg/l
Application Route : Inhalation

methyl decanoate:

Species : Rat, male and female
NOAEL : 1,000 mg/kg
Application Route : Oral
Exposure time : 14 - 45 d
Method : OECD Test Guideline 422
Remarks : Based on data from similar materials

Aspiration toxicity

Not classified based on available information.

Product:

No aspiration toxicity classification

Components:

Cyantraniliprole:

The substance does not have properties associated with aspiration hazard potential.

methyl decanoate:

The substance or mixture causes concern owing to the assumption that it causes a human aspiration toxicity hazard.

Further information

Product:

Remarks : No data available

12. ECOLOGICAL INFORMATION

Ecotoxicity

Product:

Toxicity to fish : LC50 (Lepomis macrochirus (Bluegill sunfish)): 37 mg/l
Exposure time: 96 h
Test Type: static test
Method: OECD Test Guideline 203
GLP: yes

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): 0.215 mg/l

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



10% Cyantraniliprole OD

Version	Revision Date:	SDS Number:	Date of last issue: -
1.1	2022/10/13	50000912	Date of first issue: 2018/03/01

aquatic invertebrates Exposure time: 48 h
Method: OECD Test Guideline 202
GLP: yes

Toxicity to algae/aquatic plants : ErC50 (Pseudokirchneriella subcapitata (green algae)): 63.8 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201
GLP: yes

Ecotoxicology Assessment

Acute aquatic toxicity : Very toxic to aquatic life.

Chronic aquatic toxicity : Very toxic to aquatic life with long lasting effects.

Components:

Cyantraniliprole:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): > 12.6 mg/l
Exposure time: 96 h

LC50 (Ictalurus punctatus (channel catfish)): > 10 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0.0204 mg/l
Exposure time: 48 h

Toxicity to algae/aquatic plants : ErC50 (Pseudokirchneriella subcapitata (green algae)): > 13 mg/l
Exposure time: 72 h

EbC50 (Pseudokirchneriella subcapitata (algae)): > 13 mg/l
Exposure time: 72 h

ErC50 (Lemna gibba (duckweed)): 0.278 mg/l
Exposure time: 7 d

EyC50 (Lemna gibba (duckweed)): 0.060 mg/l
Exposure time: 7 d

M-Factor (Acute aquatic toxicity) : 10

Toxicity to fish (Chronic toxicity) : NOEC (Cyprinodon variegatus (sheepshead minnow)): 2.9 mg/l
Exposure time: 28 d

NOEC (Oncorhynchus mykiss (rainbow trout)): 0.11 mg/l
Exposure time: 21 d

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): 0.00656 mg/l
Exposure time: 21 d

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



10% Cyantraniliprole OD

Version	Revision Date:	SDS Number:	Date of last issue: -
1.1	2022/10/13	50000912	Date of first issue: 2018/03/01

NOEC (Daphnia magna (Water flea)): 0.00969 mg/l
Exposure time: 21 d

NOEC (Daphnia magna (Water flea)): 0.00447 mg/l
Exposure time: 21 d

M-Factor (Chronic aquatic toxicity) : 10

Toxicity to soil dwelling organisms : LC50 (Eisenia fetida (earthworms)): > 1,000 mg/kg
Exposure time: 14 d

Toxicity to terrestrial organisms : LD50 (Apis mellifera (bees)): > 0.0934 µg/bee
Exposure time: 48 h
End point: Acute contact toxicity

LD50 (Apis mellifera (bees)): > 0.1055 µg/bee
Exposure time: 48 h
End point: Acute oral toxicity

LD50 (Colinus virginianus (Bobwhite quail)): 2,250 mg/kg

Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., calcium salts:

Toxicity to fish : LC50 (Fish): 1.7 - 7.7 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203
Remarks: Based on data from similar materials

Toxicity to daphnia and other aquatic invertebrates : EL50 (Daphnia magna (Water flea)): 5.7 mg/l
Exposure time: 48 h
Method: OECD Test Guideline 202
Remarks: water accommodated fractions (WAF)

Toxicity to algae/aquatic plants : NOELR (Pseudokirchneriella subcapitata (green algae)): 10 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201
Remarks: water accommodated fractions (WAF)

EL50 (Pseudokirchneriella subcapitata (algae)): > 100 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201
Remarks: water accommodated fractions (WAF)

Toxicity to microorganisms : EC50 (activated sludge): 162 mg/l
Exposure time: 3 h
Method: OECD Test Guideline 209

Fatty acids, soya, Me esters:

Toxicity to fish : LC50 (Fish): > 1,000 mg/l
Exposure time: 96 h

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



10% Cyantraniliprole OD

Version	Revision Date:	SDS Number:	Date of last issue: -
1.1	2022/10/13	50000912	Date of first issue: 2018/03/01

Toxicity to daphnia and other aquatic invertebrates : EC50 (Crustaceans): 800 - 5,243 mg/l
Exposure time: 48 h

2-methylpropan-1-ol:

Toxicity to fish : LC50: 1,430 mg/l
Exposure time: 4 d

Toxicity to daphnia and other aquatic invertebrates : EC50: 1,100 mg/l
Exposure time: 48 h

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 20 mg/l
Exposure time: 21 d

Toxicity to microorganisms : EC50 (Anabaena flos-aquae (cyanobacterium)): 593 - 1,799 mg/l
Exposure time: 72 h

IC50 (Natural microorganism): 1,000 mg/l
Exposure time: 16 h

Poly(oxy-1,2-ethanediyl), .alpha.-hydro-.omega.-[[[(9Z)-1-oxo-9-octadecenyl]oxy]-, ether with D-glucitol (6:1):

Ecotoxicology Assessment

Acute aquatic toxicity : Harmful to aquatic life.

methyl decanoate:

Toxicity to fish : LC50 (Leuciscus idus (Golden orfe)): 170 mg/l
Exposure time: 48 h
Method: OECD Test Guideline 203
Remarks: Based on data from similar materials

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 1.1 mg/l
Exposure time: 48 h
Method: OECD Test Guideline 202

Toxicity to algae/aquatic plants : EC50 (Pseudokirchneriella subcapitata (green algae)): > 0.055 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201

M-Factor (Acute aquatic toxicity) : 10

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): 0.081 mg/l
Exposure time: 21 d
Method: OECD Test Guideline 211
Remarks: Based on data from similar materials

M-Factor (Chronic aquatic toxicity) : 10

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



10% Cyantraniliprole OD

Version	Revision Date:	SDS Number:	Date of last issue: -
1.1	2022/10/13	50000912	Date of first issue: 2018/03/01

Toxicity to microorganisms : NOEC (activated sludge): $\geq 1,000$ mg/l
Exposure time: 3 h
Method: OECD Test Guideline 209
Remarks: Based on data from similar materials

Persistence and degradability

Product:

Biodegradability : Remarks: Product contains minor amounts of not readily biodegradable components, which may not be degradable in waste water treatment plants.

Components:

Cyantraniliprole:

Biodegradability : Remarks: Not readily biodegradable.

Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., calcium salts:

Biodegradability : Result: Readily biodegradable.
Method: OECD Test Guideline 301F

2-methylpropan-1-ol:

Biodegradability : Result: Readily biodegradable.

methyl decanoate:

Biodegradability : Result: Readily biodegradable.
Biodegradation: 78 %
Exposure time: 28 d

Bioaccumulative potential

Product:

Bioaccumulation : Remarks: No data is available on the product itself.

Components:

Cyantraniliprole:

Bioaccumulation : Species: *Lepomis macrochirus* (Bluegill sunfish)
Bioconcentration factor (BCF): < 1
Remarks: Bioaccumulation is unlikely.

Bioconcentration factor (BCF): 15

Partition coefficient: n-octanol/water : log Pow: 1.97 (22 °C)
pH: 4

log Pow: 2.07 (22 °C)
pH: 7

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



10% Cyantraniliprole OD

Version	Revision Date:	SDS Number:	Date of last issue: -
1.1	2022/10/13	50000912	Date of first issue: 2018/03/01

log Pow: 1.74 (22 °C)
pH: 9

Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., calcium salts:

Partition coefficient: n-octanol/water : log Pow: 4.3 - 5.8 (25 °C)
pH: 7
Method: OECD Test Guideline 117

2-methylpropan-1-ol:

Bioaccumulation : Remarks: No bioaccumulation is to be expected (log Pow <= 4).

Partition coefficient: n-octanol/water : Pow: 10 (25 °C)

methyl decanoate:

Partition coefficient: n-octanol/water : log Pow: 4.42

Mobility in soil

Product:

Distribution among environmental compartments : Remarks: No data is available on the product itself.

Components:

Cyantraniliprole:

Distribution among environmental compartments : Koc: 241 ml/g, log Koc: 2.38
Remarks: Mobile in soils

Other adverse effects

Product:

Additional ecological information : See product label for additional application instructions relating to environmental precautions.

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Very toxic to aquatic life with long lasting effects.

13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : The product should not be allowed to enter drains, water courses or the soil.
Do not contaminate ponds, waterways or ditches with chemical or used container.

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



10% Cyantraniliprole OD

Version	Revision Date:	SDS Number:	Date of last issue: -
1.1	2022/10/13	50000912	Date of first issue: 2018/03/01

Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents.
Dispose of as unused product.
Do not re-use empty containers.
Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORT INFORMATION

International Regulations

UNRTDG

UN number : UN 3082
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(Cyantraniliprole)
Class : 9
Packing group : III
Labels : 9

IATA-DGR

UN/ID No. : UN 3082
Proper shipping name : Environmentally hazardous substance, liquid, n.o.s.
(Cyantraniliprole)
Class : 9
Packing group : III
Labels : Miscellaneous
Packing instruction (cargo aircraft) : 964
Packing instruction (passenger aircraft) : 964
Environmentally hazardous : yes

IMDG-Code

UN number : UN 3082
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(Cyantraniliprole)
Class : 9
Packing group : III
Labels : 9
EmS Code : F-A, S-F
Marine pollutant : yes

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

Not applicable for product as supplied.

Domestic regulation

GB 6944/12268

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

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



10% Cyantraniliprole OD

Version	Revision Date:	SDS Number:	Date of last issue: -
1.1	2022/10/13	50000912	Date of first issue: 2018/03/01

Class	:	9
Packing group	:	III
Labels	:	9

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.

15. REGULATORY INFORMATION

National regulatory information

Law on the Prevention and Control of Occupational Diseases

The ingredients of this product are reported in the following inventories:

TCSI	:	On the inventory, or in compliance with the inventory
TSCA	:	Product contains substance(s) not listed on TSCA inventory.
AIIC	:	Not in compliance with the inventory
DSL	:	This product contains the following components that are not on the Canadian DSL nor NDSL. 3-BROMO-1-(3-CHLORO-2-PYRIDYL)-4'-CYAN-2'-METHYL-6'-(METHYLCARBAMOYL)-1H-PYRAZOLE-5-CARBOXANILIDE Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., calcium salts
ENCS	:	Not in compliance with the inventory
ISHL	:	Not in compliance with the inventory
KECI	:	Not in compliance with the inventory
PICCS	:	Not in compliance with the inventory
IECSC	:	Not in compliance with the inventory
NZIoC	:	Not in compliance with the inventory
TECI	:	Not in compliance with the inventory

16. OTHER INFORMATION

Revision Date	:	2022/10/13
Date format	:	yyyy/mm/dd

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



10% Cyantraniliprole OD

Version	Revision Date:	SDS Number:	Date of last issue: -
1.1	2022/10/13	50000912	Date of first issue: 2018/03/01

Full text of other abbreviations

ACGIH : USA. ACGIH Threshold Limit Values (TLV)

ACGIH / TWA : 8-hour, time-weighted average

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; 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; 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; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; 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; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; 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; WHMIS - Workplace Hazardous Materials Information System

Disclaimer

FMC Corporation believes that the information and recommendations contained herein (including data and statements) are accurate as of the date hereof. You can contact FMC Corporation to insure that this document is the most current available from FMC Corporation. No warranty of fitness for any particular purpose, warranty of merchantability or any other warranty, expressed or implied, is made concerning the information provided herein. The information provided herein relates only to the specified product designated and may not be applicable where such product is used in combination with any other materials or in any process. The user is responsible for determining whether the product is fit for a particular purpose and suitable for the user's conditions and methods of use. Since the conditions and methods of use are beyond the control of FMC Corporation, FMC Corporation expressly disclaims any and all liability as to any results obtained or arising from any use of the products or reliance on such information.

CN / EN