

# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



## EXIREL WG

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	09/09/2024	50002606	Date of first issue: 09/09/2024

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### SECTION 1. IDENTIFICATION

#### Product identifier

**Product name** EXIREL WG

#### Other means of identification

**Product code** 50002606

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

**Recommended use** Can be used as insecticide only.

**Restrictions on use** Use as recommended by the label.  
Do not use product for anything outside of the above specified uses.

#### Manufacturer or supplier's details

**Manufacturer** FMC Corporation  
2929 WALNUT ST  
PHILADELPHIA PA 19104  
USA  
(215) 299-6000  
SDS-Info@fmc.com

**Supplier Address** FMC Corporation  
2929 Walnut Street  
Philadelphia PA 19104  
USA

#### Emergency telephone

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)

Medical emergency:  
U.S.A. & Canada: +1 800 / 331-3148  
All other countries: +1 651 / 632-6793 (Collect)

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### SECTION 2. HAZARDS IDENTIFICATION

**GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)**

Not a hazardous substance or mixture.

# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



## EXIREL WG

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	09/09/2024	50002606	Date of first issue: 09/09/2024

### GHS label elements

No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

### Other hazards

Very toxic to aquatic life.

Very toxic to aquatic life with long lasting effects.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Components

Chemical name	CAS-No.	Concentration (% w/w)
Cyantraniliprole	736994-63-1	75
kaolin	1332-58-7	$\geq 10 - < 20$
Benzenesulfonic acid, mono-C11-13-branched alkyl derivs., sodium salts	68608-89-9	$\geq 1 - < 5$

## SECTION 4. FIRST AID MEASURES

- General advice : Move out of dangerous area.  
Show this material safety data sheet to the doctor in attendance.  
Do not leave the victim unattended.
- If inhaled : Move to fresh air.  
If unconscious, place in recovery position and seek medical advice.  
If symptoms persist, call a physician.  
If experiencing any discomfort, immediately remove from exposure. Get medical attention if discomfort does not disappear.
- In case of skin contact : Take off all contaminated clothing immediately.  
Wash contaminated clothing before re-use.  
Wash off immediately with plenty of water for at least 15 minutes.  
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 : Do not induce vomiting without medical advice.  
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.
- Most important symptoms : Mild eye irritant

# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



## EXIREL WG

Version 1.0	Revision Date: 09/09/2024	SDS Number: 50002606	Date of last issue: - Date of first issue: 09/09/2024
----------------	------------------------------	-------------------------	--

and effects, both acute and delayed

Protection of first-aiders : First Aid responders should pay attention to self-protection and use the recommended protective clothing  
Avoid inhalation, ingestion and contact with skin and eyes.  
If potential for exposure exists refer to Section 8 for specific personal protective equipment.

Notes to physician : Treat symptomatically.

### SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : Dry chemical, CO<sub>2</sub>, water spray or regular foam.  
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media : High volume water jet  
Do not spread spilled material with high-pressure water streams.

Specific hazards during fire fighting : Do not allow run-off from fire fighting to enter drains or water courses.

Hazardous combustion products : brominated compounds  
Nitrogen oxides (NO<sub>x</sub>)  
Carbon oxides  
Chlorinated compounds  
Hydrogen chloride  
Hydrogen cyanide  
Fire may produce irritating, corrosive and/or toxic gases.  
Sulfur 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.

Further information : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Special protective equipment for fire-fighters : Firefighters should wear protective clothing and self-contained breathing apparatus.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency measures : Evacuate personnel to safe areas.  
Use personal protective equipment.

# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



## EXIREL WG

Version 1.0	Revision Date: 09/09/2024	SDS Number: 50002606	Date of last issue: - Date of first issue: 09/09/2024
----------------	------------------------------	-------------------------	--

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| agency procedures                                     | Avoid dust formation.<br>Avoid breathing dust.<br>If it can be safely done, stop the leak.<br>Do not touch or walk through the spilled material.<br>Never return spills in original containers for re-use.<br>Mark the contaminated area with signs and prevent access to unauthorized personnel.<br>Only qualified personnel equipped with suitable protective equipment may intervene.<br>For disposal considerations see section 13. |
| Environmental precautions                             | : Prevent further leakage or spillage if safe to do so.<br>Prevent product from entering drains.<br>If the product contaminates rivers and lakes or drains inform respective authorities.   |
| Methods and materials for containment and cleaning up | : Never return spills in original containers for re-use.<br>Collect as much of the spill as possible with a suitable absorbent material.<br>Pick up and transfer to properly labeled containers.<br>Keep in suitable, closed containers for disposal.   |

### SECTION 7. HANDLING AND STORAGE

- |   |   |
|---|---|
| Advice on protection against fire and explosion | : Avoid dust formation.<br>Provide appropriate exhaust ventilation at places where dust is formed.  |
| Advice on safe handling                         | : Avoid formation of respirable particles.<br>Do not breathe vapors/dust.<br>Avoid contact with skin and eyes.<br>For personal protection see section 8.<br>Smoking, eating and drinking should be prohibited in the application area.<br>Dispose of rinse water in accordance with local and national regulations. |
| Conditions for safe storage                     | : Keep container tightly closed in a dry and well-ventilated place.<br>Containers which are opened must be carefully resealed and kept upright to prevent leakage.<br>Electrical installations / working materials must comply with the technological safety standards.   |
| Further information on storage stability        | : No decomposition if stored and applied as directed.   |

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Ingredients with workplace control parameters

# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



## EXIREL WG

Version 1.0      Revision Date: 09/09/2024      SDS Number: 50002606      Date of last issue: -  
Date of first issue: 09/09/2024

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
kaolin	1332-58-7	TWA (Respirable particulate matter)	2 mg/m3	ACGIH
		TWA (Respirable)	5 mg/m3	NIOSH REL
		TWA (total)	10 mg/m3	NIOSH REL
		TWA (total dust)	15 mg/m3	OSHA Z-1
		TWA (respirable fraction)	5 mg/m3	OSHA Z-1
		TWA (Total dust)	10 mg/m3	OSHA P0
		TWA (respirable dust fraction)	5 mg/m3	OSHA P0

### Personal protective equipment

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

General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.

Hand protection

Material

: Wear chemical resistant gloves, such as barrier laminate, butyl rubber or nitrile rubber.

Remarks

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

Eye protection

: Eye wash bottle with pure water  
Tightly fitting safety goggles

Skin and body protection

: Dust impervious protective suit  
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Protective measures

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

# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



## EXIREL WG

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	09/09/2024	50002606	Date of first issue: 09/09/2024

Always have on hand a first-aid kit, together with proper instructions.  
Ensure that eye flushing systems and safety showers are located close to the working place.  
Wear suitable protective equipment.  
In the context of professional plant protection use as recommended, the end user must refer to the label and the instructions for use.

Hygiene measures : Avoid contact with skin, eyes and clothing.  
Do not inhale aerosol.  
When using do not eat or drink.  
When using do not smoke.  
Wash hands before breaks and at the end of workday.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: granular
Form	: granular
Color	: light brown
Odor	: Faint
Odor Threshold	: No data available
pH	: 8.90 Concentration: 1 %
Melting point/ range	: No data available
Boiling point/boiling range	: No data available
Flash point	: No data available
Evaporation rate	: No data available
Self-ignition	: No data available
Upper explosion limit / Upper flammability limit	: No data available
Lower explosion limit / Lower flammability limit	: No data available

# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



## EXIREL WG

Version 1.0	Revision Date: 09/09/2024	SDS Number: 50002606	Date of last issue: - Date of first issue: 09/09/2024
----------------	------------------------------	-------------------------	--

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Vapor pressure	:	No data available
Relative vapor density	:	No data available
Relative density	:	No data available
Density	:	0.593 g/cm <sup>3</sup> loose  0.667 g/cm <sup>3</sup> Tap density
Bulk density	:	No data available
Solubility(ies)		
Water solubility	:	No data available
Solubility in other solvents	:	No data available
Partition coefficient: n-octanol/water	:	No data available
Autoignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity		
Viscosity, dynamic	:	No data available
Viscosity, kinematic	:	No data available
Explosive properties	:	Not explosive
Oxidizing properties	:	Non-oxidizing
Molecular weight	:	Not applicable

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### SECTION 10. STABILITY AND REACTIVITY

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. Dust may form explosive mixture in air.
Conditions to avoid	:	Avoid extreme temperatures. Avoid dust formation.
Incompatible materials	:	Avoid strong acids, bases, and oxidizers.

# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



## EXIREL WG

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	09/09/2024	50002606	Date of first issue: 09/09/2024

Hazardous decomposition products : No hazardous decomposition products are known.

### SECTION 11. TOXICOLOGICAL INFORMATION

#### Acute toxicity

Based on available data, the classification criteria are not met.

#### Product:

Acute oral toxicity : LD50 Oral (Rat): > 5,000 mg/kg  
GLP: yes

Acute inhalation toxicity : LC50 (Rat): > 5.13 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
GLP: yes

Acute dermal toxicity : LD50 Dermal (Rat): > 5,000 mg/kg  
GLP: yes

#### Components:

##### **Cyantraniliprole:**

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg  
Method: OECD Test Guideline 425  
Assessment: The substance or mixture has no acute oral toxicity

Acute inhalation toxicity : LC50 (Rat): > 5.2 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: OECD Test Guideline 403  
Assessment: The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity : LD50 (Rat): > 5,000 mg/kg  
Method: OECD Test Guideline 402  
Assessment: The substance or mixture has no acute dermal toxicity

##### **kaolin:**

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg  
Method: OECD Test Guideline 401  
  
LD50: > 2,000 mg/kg  
Method: OECD Test Guideline 420  
Assessment: The substance or mixture has no acute oral toxicity



# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



## EXIREL WG

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	09/09/2024	50002606	Date of first issue: 09/09/2024

---

Acute inhalation toxicity : LC50: 5.07 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: OECD Test Guideline 436

Acute dermal toxicity : LD50 (Rat): > 5,000 mg/kg  
  
LD50: > 2,000 mg/kg  
Method: OECD Test Guideline 402  
Assessment: The substance or mixture has no acute dermal toxicity

### **Benzenesulfonic acid, mono-C11-13-branched alkyl derivs., sodium salts:**

Acute oral toxicity : LD50 (Rat, male and female): 520 mg/kg  
Remarks: Based on data from similar materials

Acute dermal toxicity : LD50 (Rat): > 1,000 - 1,600 mg/kg  
Method: OECD Test Guideline 402  
Remarks: Based on data from similar materials

### **Skin corrosion/irritation**

Based on available data, the classification criteria are not met.

#### **Product:**

Assessment : Not classified as irritant  
Result : No skin irritation  
GLP : yes

#### **Components:**

##### **Cyantraniliprole:**

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

##### **kaolin:**

Method : OECD Test Guideline 404  
Result : No skin irritation

### **Benzenesulfonic acid, mono-C11-13-branched alkyl derivs., sodium salts:**

Species : Rabbit  
Method : OECD Test Guideline 404  
Result : Skin irritation  
Remarks : Based on data from similar materials

### **Serious eye damage/eye irritation**

Based on available data, the classification criteria are not met.

# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



## EXIREL WG

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	09/09/2024	50002606	Date of first issue: 09/09/2024

---

### **Product:**

Result	:	No eye irritation
Assessment	:	Not classified as irritant
GLP	:	yes

### **Components:**

#### **Cyantraniliprole:**

Species	:	Rabbit
Result	:	No eye irritation
Assessment	:	No eye irritation
Method	:	OECD Test Guideline 405
Remarks	:	Minimal effects that do not meet the threshold for classification.

#### **kaolin:**

Result	:	No eye irritation
Method	:	OECD Test Guideline 405

#### **Benzenesulfonic acid, mono-C11-13-branched alkyl derivs., sodium salts:**

Species	:	Rabbit
Result	:	Irreversible effects on the eye
Method	:	OECD Test Guideline 405
Remarks	:	Based on data from similar materials

### **Respiratory or skin sensitization**

#### **Skin sensitization**

Based on available data, the classification criteria are not met.

#### **Respiratory sensitization**

Based on available data, the classification criteria are not met.

### **Product:**

Assessment	:	Did not cause sensitization on laboratory animals.
Result	:	Not a skin sensitizer.
GLP	:	yes

### **Components:**

#### **Cyantraniliprole:**

Test Type	:	Local lymph node test
Method	:	OECD Test Guideline 429
Result	:	Does not cause skin sensitization.

#### **kaolin:**

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

# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



## EXIREL WG

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	09/09/2024	50002606	Date of first issue: 09/09/2024

---

### **Benzenesulfonic acid, mono-C11-13-branched alkyl derivs., sodium salts:**

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**

Based on available data, the classification criteria are not met.

### **Components:**

#### **Cyantraniliprole:**

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

Genotoxicity in vitro	: Test Type: Ames test Method: OECD Test Guideline 471 Result: negative
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Genotoxicity in vivo	: Remarks: No data available
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### **Benzenesulfonic acid, mono-C11-13-branched alkyl derivs., sodium salts:**

Genotoxicity in vitro	: Test Type: reverse mutation assay Test system: Salmonella typhimurium Method: Regulation (EC) No. 440/2008, Annex, B.13/14 (Ames test) Result: negative Remarks: Based on data from similar materials
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	: Test Type: gene mutation test Test system: Chinese hamster ovary cells Method: OECD Test Guideline 476 Result: negative Remarks: Based on data from similar materials
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Genotoxicity in vivo	: Test Type: Micronucleus test Species: Mouse (male and female) Application Route: Oral Result: negative Remarks: Based on data from similar materials
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### **Carcinogenicity**

Based on available data, the classification criteria are not met.

### **Product:**

Carcinogenicity - Assessment	: This product contains crystalline silica (quartz) in a non-respirable form. Inhalation of crystalline silica is unlikely to
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# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



## EXIREL WG

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	09/09/2024	50002606	Date of first issue: 09/09/2024

occur from exposure to this product. However, if granules are pulverized or crushed into a fine, respirable powder, silica exposure via inhalation is probable.

### Components:

#### **Cyantraniliprole:**

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

<b>IARC</b>	Group 1: Carcinogenic to humans kaolin (Silica dust, crystalline)	1332-58-7
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**OSHA** No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

<b>NTP</b>	Known to be human carcinogen kaolin (Silica, Crystalline (Respirable Size))	1332-58-7
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### **Reproductive toxicity**

Based on available data, the classification criteria are not met.

### Components:

#### **Cyantraniliprole:**

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

#### **kaolin:**

Effects on fertility : Remarks: No data available

Effects on fetal development : Remarks: No data available

### **Benzenesulfonic acid, mono-C11-13-branched alkyl derivs., sodium salts:**

Effects on fertility : Test Type: Three-generation study  
Species: Rat  
Application Route: Oral  
General Toxicity Parent: NOAEL: 350 mg/kg bw/day  
General Toxicity F1: NOAEL: 350 mg/kg bw/day  
General Toxicity F2: NOAEL: 350 mg/kg bw/day  
Result: negative  
Remarks: Based on data from similar materials

Effects on fetal development : Test Type: Embryo-fetal development  
Species: Mouse, female  
Application Route: Oral  
Duration of Single Treatment: 6 - 15 d  
General Toxicity Maternal: NOAEL: 2 mg/kg bw/day

# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



## EXIREL WG

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	09/09/2024	50002606	Date of first issue: 09/09/2024

---

Teratogenicity: NOAEL: 300 mg/kg bw/day  
Result: negative  
Remarks: Based on data from similar materials

### STOT-single exposure

Based on available data, the classification criteria are not met.

#### Components:

##### **Cyantraniliprole:**

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

##### **kaolin:**

Remarks : No significant adverse effects were reported

### STOT-repeated exposure

Based on available data, the classification criteria are not met.

#### Components:

##### **Cyantraniliprole:**

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

##### **kaolin:**

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.

##### **kaolin:**

Remarks : No data available

##### **Benzenesulfonic acid, mono-C11-13-branched alkyl derivs., sodium salts:**

Species : Rat, male and female  
NOAEL : 85 mg/kg  
LOAEL : 145 mg/kg

# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



## EXIREL WG

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	09/09/2024	50002606	Date of first issue: 09/09/2024

Application Route : Oral  
Exposure time : 9 months  
Remarks : No adverse effect has been observed in chronic toxicity tests.  
Based on data from similar materials

### Aspiration toxicity

Based on available data, the classification criteria are not met.

### Components:

#### Cyantraniliprole:

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

### Further information

### Product:

Remarks : No data available

## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

### 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  
  
ErC50 (Lemna gibba (duckweed)): 0.278 mg/l  
Exposure time: 7 d  
  
EyC50 (Lemna gibba (duckweed)): 0.060 mg/l  
Exposure time: 7 d  
  
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

# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



## EXIREL WG

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	09/09/2024	50002606	Date of first issue: 09/09/2024

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

### kaolin:

Toxicity to fish	: LC50 (Oncorhynchus mykiss (rainbow trout)): > 100 mg/l Exposure time: 96 h Method: OECD Test Guideline 203
Toxicity to daphnia and other aquatic invertebrates	: EC50 (Daphnia magna (Water flea)): > 1,000 mg/l Exposure time: 48 h Method: OECD Test Guideline 202
Toxicity to algae/aquatic plants	: EC50 (Raphidocelis subcapitata (freshwater green alga)): > 100 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	: Remarks: No data available
Toxicity to microorganisms	: Remarks: No data available

### Benzenesulfonic acid, mono-C11-13-branched alkyl derivs., sodium salts:

Toxicity to fish	: LC50 (Lepomis macrochirus (Bluegill sunfish)): 1.67 mg/l Exposure time: 96 h Test Type: static test Remarks: Based on data from similar materials
Toxicity to daphnia and other aquatic invertebrates	: EC50 (Daphnia magna (Water flea)): 0.83 mg/l Exposure time: 48 h

# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



## EXIREL WG

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	09/09/2024	50002606	Date of first issue: 09/09/2024

Test Type: static test

Toxicity to algae/aquatic plants : EC10 (Pseudokirchneriella subcapitata (green algae)): 9.2 mg/l  
Exposure time: 72 h  
Test Type: static test

ErC50 (Pseudokirchneriella subcapitata (green algae)): > 37 mg/l  
Exposure time: 72 h  
Test Type: static test

Toxicity to fish (Chronic toxicity) : NOEC (Oncorhynchus mykiss (rainbow trout)): 0.23 mg/l  
Exposure time: 72 d  
Method: OECD Test Guideline 210

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): 1.41 mg/l  
Exposure time: 21 d  
Test Type: flow-through test  
Method: OECD Test Guideline 211  
Remarks: Based on data from similar materials

### Persistence and degradability

#### Components:

##### **Cyantraniliprole:**

Biodegradability : Remarks: Not readily biodegradable.

##### **kaolin:**

Biodegradability : Remarks: The methods for determining biodegradability are not applicable to inorganic substances.

##### **Benzenesulfonic acid, mono-C11-13-branched alkyl derivs., sodium salts:**

Biodegradability : Result: Inherently biodegradable.  
Method: OECD Test Guideline 301F  
Remarks: Based on data from similar materials

### Bioaccumulative potential

#### Product:

Bioaccumulation : Remarks: No data available

#### Components:

##### **Cyantraniliprole:**

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



# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



## EXIREL WG

Version 1.0	Revision Date: 09/09/2024	SDS Number: 50002606	Date of last issue: - Date of first issue: 09/09/2024
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Partition coefficient: n-octanol/water : log Pow: 1.97 (72 °F / 22 °C)  
pH: 4

log Pow: 2.07 (72 °F / 22 °C)  
pH: 7

log Pow: 1.74 (72 °F / 22 °C)  
pH: 9

### kaolin:

Bioaccumulation : Remarks: Bioaccumulation is unlikely.

Partition coefficient: n-octanol/water : Remarks: Not applicable

### Mobility in soil

#### Components:

#### Cyantraniliprole:

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

### kaolin:

Distribution among environmental compartments : Remarks: Low mobility in soil.

### Other adverse effects

#### Product:

Ozone-Depletion Potential : Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances  
Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

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

## SECTION 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.  
Send to a licensed waste management company.

# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



## EXIREL WG

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	09/09/2024	50002606	Date of first issue: 09/09/2024

Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
Do not re-use empty containers.

### SECTION 14. TRANSPORT INFORMATION

#### International Regulations

##### UNRTDG

UN number : UN 3077  
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID,  
N.O.S.  
(Cyantraniliprole)  
Class : 9  
Subsidiary risk : ENVIRONM.  
Packing group : III  
Labels : 9 (ENVIRONM.)  
Environmentally hazardous : yes

##### IATA-DGR

UN/ID No. : UN 3077  
Proper shipping name : Environmentally hazardous substance, solid, n.o.s.  
(Cyantraniliprole)  
Class : 9  
Packing group : III  
Labels : Miscellaneous  
Packing instruction (cargo aircraft) : 956  
Packing instruction (passenger aircraft) : 956  
Environmentally hazardous : yes

##### IMDG-Code

UN number : UN 3077  
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID,  
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

##### 49 CFR Road

Not regulated as a dangerous good

# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



## EXIREL WG

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	09/09/2024	50002606	Date of first issue: 09/09/2024

### 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.

## SECTION 15. REGULATORY INFORMATION

### CERCLA Reportable Quantity

Listed substances in the product are at low enough levels to not be expected to exceed the RQ

### SARA 304 Extremely Hazardous Substances Reportable Quantity

Listed substances in the product are at low enough levels to not be expected to exceed the RQ

### SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

**SARA 311/312 Hazards** : No SARA Hazards

**SARA 313** : 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.

### Clean Air Act

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM Intermediate or Final VOC's (40 CFR 60.489).

### Clean Water Act

The following Hazardous Substances are listed under the U.S. CleanWater Act, Section 311, Table 116.4A:

formaldehyde	50-00-0	>= 0 - < 0.1 %
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The following Hazardous Chemicals are listed under the U.S. CleanWater Act, Section 311, Table 117.3:

formaldehyde	50-00-0	>= 0 - < 0.1 %
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This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

This product does not contain any priority pollutants related to the U.S. Clean Water Act

### US State Regulations

#### Massachusetts Right To Know

kaolin	1332-58-7
formaldehyde	50-00-0

#### Pennsylvania Right To Know

Cyantraniliprole	736994-63-1
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# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



## EXIREL WG

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	09/09/2024	50002606	Date of first issue: 09/09/2024

kaolin	1332-58-7
Naphthalenesulfonic acid, polymer with formaldehyde, sodium salt	9084-06-4
sodium sulphate	7757-82-6

### Maine Chemicals of High Concern

Product does not contain any listed chemicals

### Vermont Chemicals of High Concern

Product does not contain any listed chemicals

### Washington Chemicals of High Concern

formaldehyde	50-00-0
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### California Prop. 65

WARNING: This product can expose you to chemicals including kaolin, formaldehyde, which is/are known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

### California Permissible Exposure Limits for Chemical Contaminants

kaolin	1332-58-7
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### California Regulated Carcinogens

kaolin	1332-58-7
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### 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 chemical substance(s) exempt from CEPA DSL Inventory requirements. It is regulated as a pesticide subject to Pest Control Products Act (PCPA) requirements. Read the PCPA label, authorized under the Pest Control Products Act, prior to using or handling this pest control product.
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

# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



## EXIREL WG

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	09/09/2024	50002606	Date of first issue: 09/09/2024

### TSCA list

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

### FIFRA information

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

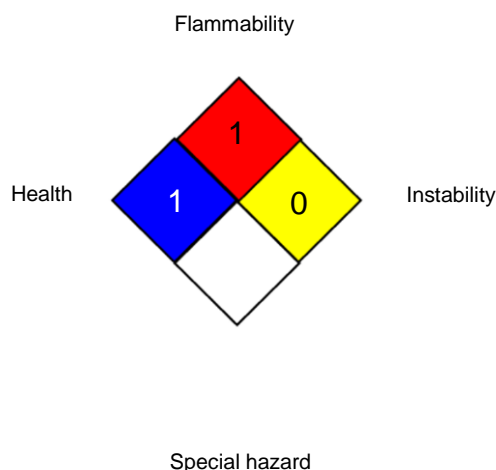
### CAUTION

Causes eye irritation, Avoid contact with skin, eyes and clothing., Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet., This product is highly toxic to bees.

## SECTION 16. OTHER INFORMATION

### Further information

#### NFPA 704:



0 No health threat, 1 Slightly Hazardous, 2 Hazardous, 3 Extreme danger, 4 Deadly

#### HMIS® IV:

HEALTH	*	1
FLAMMABILITY		1
PHYSICAL HAZARD		0

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "\*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

### Full text of other abbreviations

ACGIH	:	USA. ACGIH Threshold Limit Values (TLV)
NIOSH REL	:	USA. NIOSH Recommended Exposure Limits
OSHA P0	:	USA. Table Z-1-A Limits for Air Contaminants (1989 vacated)

# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



## EXIREL WG

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	09/09/2024	50002606	Date of first issue: 09/09/2024

values)  
OSHA Z-1 : USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants  
ACGIH / TWA : 8-hour, time-weighted average  
NIOSH REL / TWA : Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek  
OSHA P0 / TWA : 8-hour time weighted average  
OSHA Z-1 / TWA : 8-hour time weighted average

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; 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; HMIS - Hazardous Materials Identification System; 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; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; 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; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; 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

### Disclaimer

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# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



## EXIREL WG

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	09/09/2024	50002606	Date of first issue: 09/09/2024

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FMC Corporation

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End of Material Safety Data Sheet