

# SAFETY DATA SHEET



## ACELAN 20% SL

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### 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : ACELAN 20% SL

#### 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 : 1 703 / 741-5970 (CHEMTREC - International)  
1 703 / 527-3887 (CHEMTREC - Alternate)

Medical Emergency Number : All other countries: +1 651 / 632-6793 (Collect)

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

Recommended use : Insecticide

Restrictions on use : Use as recommended by the label.

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### 2. HAZARDS IDENTIFICATION

#### GHS Classification

Flammable liquids : Category 3

Acute toxicity (Oral) : Category 4

Acute toxicity (Inhalation) : Category 3

Acute toxicity (Dermal) : Category 5

Reproductive toxicity : Category 1B

Short-term (acute) aquatic hazard : Category 1

Long-term (chronic) aquatic hazard : Category 1

#### GHS label elements

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Hazard pictograms

:



Signal Word

:

Danger

Hazard Statements

:

H226 Flammable liquid and vapor.  
H302 Harmful if swallowed.  
H313 May be harmful in contact with skin.  
H331 Toxic if inhaled.  
H360 May damage fertility or the unborn child.  
H410 Very toxic to aquatic life with long lasting effects.

Precautionary Statements

:

### Prevention:

P203 Obtain, read and follow all safety instructions before use.  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P233 Keep container tightly closed.  
P240 Ground and bond container and receiving equipment.  
P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment.  
P242 Use non-sparking tools.  
P243 Take action to prevent static discharges.  
P261 Avoid breathing mist or vapors.  
P264 Wash skin thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P271 Use only outdoors or in a well-ventilated area.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection.

### Response:

P301 + P317 + P330 IF SWALLOWED: Get medical help. Rinse mouth.  
P303 + P361 + P353 + P317 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Get medical help.  
P304 + P340 + P316 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Get emergency medical help immediately.  
P318 IF exposed or concerned, get medical advice.  
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.  
P391 Collect spillage.

### Storage:

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.  
P403 + P235 Store in a well-ventilated place. Keep cool.  
P405 Store locked up.

### Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

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### 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)
acetamiprid (ISO)	135410-20-7	$\geq 10$ - $< 20$
N,N-dimethylformamide	68-12-2	$\geq 70$ - $< 90$
Poly(oxy-1,2-ethanediyl), .alpha.-(nonylphenyl)-.omega.-hydroxy-	9016-45-9	$\geq 10$ - $< 20$

### 4. FIRST AID MEASURES

- General advice : Move out of dangerous area.  
Consult a physician.  
Show this safety data sheet to the doctor in attendance.  
Symptoms of poisoning may appear several hours later.  
Do not leave the victim unattended.
- If inhaled : Call a physician or poison control center immediately.  
If unconscious, place in recovery position and seek medical advice.
- In case of skin contact : If skin irritation persists, call a physician.  
If on skin, rinse well with water.  
If on clothes, remove clothes.
- 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.  
Take victim immediately to hospital.
- Most important symptoms and effects, both acute and delayed : Harmful if swallowed.  
May be harmful in contact with skin.  
Toxic if inhaled.  
May damage fertility or the unborn child.
- Notes to physician : Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

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| Suitable extinguishing media                   | : | Alcohol-resistant foam<br>Carbon dioxide (CO <sub>2</sub> )<br>Dry chemical   |
| Unsuitable extinguishing media                 | : | High volume water jet   |
| Specific hazards during fire fighting          | : | Do not allow run-off from fire fighting to enter drains or water courses.   |
| Hazardous combustion products                  | : | Thermal decomposition can lead to release of toxic and irritating vapors.<br>Nitrogen oxides (NO <sub>x</sub> )   |
| Specific extinguishing methods                 | : | Collect contaminated fire extinguishing water separately. This must not be discharged into drains.<br>Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.<br>For safety reasons in case of fire, cans should be stored separately in closed containments.<br>Use a water spray to cool fully closed containers. |
| 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 | : | Use personal protective equipment.<br>Ensure adequate ventilation.<br>Remove all sources of ignition.<br>Evacuate personnel to safe areas.<br>Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas. |
| Environmental precautions   | : | Prevent product from entering drains.<br>Prevent further leakage or spillage if safe to do so.<br>If the product contaminates rivers and lakes or drains inform respective authorities.   |
| Methods and materials for containment and cleaning up               | : | Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).                   |

### 7. HANDLING AND STORAGE

- |   |   |   |
|---|---|---|
| Advice on protection against fire and explosion | : | Do not spray on a naked flame or any incandescent material.<br>Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors).<br>Keep away from open flames, hot surfaces and sources of ignition. |
| Advice on safe handling                         | : | Avoid formation of aerosol.   |

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Do not breathe vapors/dust.  
Avoid exposure - obtain special instructions before use.  
Avoid contact with skin and eyes.  
For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.  
Take precautionary measures against static discharges.  
Provide sufficient air exchange and/or exhaust in work rooms.  
Open drum carefully as content may be under pressure.  
Dispose of rinse water in accordance with local and national regulations.

Conditions for safe storage : Prevent unauthorized access.  
No smoking.  
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.  
Observe label precautions.  
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
N,N-dimethylformamide	68-12-2	TWA	5 ppm	ACGIH

#### Biological occupational exposure limits

Components	CAS-No.	Control parameters	Biological specimen	Sampling time	Permissible concentration	Basis
N,N-dimethylformamide	68-12-2	Total N-Methylformamide	Urine	End of shift (As soon as possible after exposure ceases)	30 mg/l	ACGIH BEI
		N-Acetyl-S-(N-methylcarbamoyl) cysteine	Urine	End of shift at end of work-week	30 mg/l	ACGIH BEI

#### Personal protective equipment

Respiratory protection : In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.

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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	: Impervious clothing Choose body protection according to the amount and concentration of the dangerous substance at the work place.
Hygiene measures	: Avoid contact with skin, eyes and clothing. When using do not eat or drink. When using do not smoke. Wash hands before breaks and immediately after handling the product.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	: liquid
Form	: liquid
Color	: yellow
pH	: 7
Melting point/freezing point	: not determined
Boiling point/boiling range	: not determined
Flash point	: > 58 °C
Self-ignition	: No data available
Relative density	: 1.04
Solubility(ies) Water solubility	: soluble
Partition coefficient: n-octanol/water	: No data available
Viscosity Viscosity, kinematic	: No data available

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Explosive properties	: Not explosive
Oxidizing properties	: The product is not oxidizing.
Particle size	: Not applicable

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### 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. Vapors may form explosive mixture with air.
Conditions to avoid	: Heat, flames and sparks.
Incompatible materials	: Strong oxidizing agents Strong acids and strong bases
Hazardous decomposition products	: Stable under normal conditions.

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### 11. TOXICOLOGICAL INFORMATION

#### Acute toxicity

Harmful if swallowed.  
May be harmful in contact with skin.  
Toxic if inhaled.

#### Product:

Acute oral toxicity	: LD50(Rat, male): 800 mg/kg
Acute inhalation toxicity	: LC50(Rat): 3.4 mg/l Exposure time: 1 h Test atmosphere: dust/mist
Acute dermal toxicity	: LD50(Rat): > 2,000 mg/kg

#### Components:

##### acetamiprid (ISO):

Acute oral toxicity	: LD50 (Rat, male): 217 mg/kg LD50 (Rat, female): 146 mg/kg LD50 (Mouse, male): 198 mg/kg LD50 (Mouse, female): 184 mg/kg
Acute inhalation toxicity	: LC50 (Rat): > 1.15 mg/l

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Exposure time: 4 h  
Test atmosphere: dust/mist  
Assessment: The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity : LD50 (Rat): > 2,000 mg/kg

### **N,N-dimethylformamide:**

Acute oral toxicity : LD50 (Rat, male and female): 3,010 mg/kg

Acute inhalation toxicity : LC50 (Rat, male and female): > 5.85 mg/l  
Exposure time: 4 h  
Test atmosphere: vapor  
Method: OECD Test Guideline 403

Acute dermal toxicity : ALD - Approximate Lethal Dose (Rat, male and female): > 3,160 mg/kg  
Method: OECD Test Guideline 402

### **Poly(oxy-1,2-ethanediyl), .alpha.-(nonylphenyl)-.omega.-hydroxy-:**

Acute oral toxicity : LD50 (Mouse, male and female): 4,290 mg/kg  
Method: Regulation (EC) No. 440/2008, Annex, B.1 bis  
Remarks: Based on data from similar materials

Assessment: The component/mixture is moderately toxic after single ingestion.

### **Skin corrosion/irritation**

Not classified based on available information.

### **Product:**

Result : No skin irritation

### **Components:**

#### **acetamiprid (ISO):**

Species : Rabbit  
Result : No skin irritation

#### **N,N-dimethylformamide:**

Species : Rabbit  
Result : No skin irritation

#### **Poly(oxy-1,2-ethanediyl), .alpha.-(nonylphenyl)-.omega.-hydroxy-:**

Species : Rabbit  
Method : Regulation (EC) No. 440/2008, Annex, B.40  
Result : Skin irritation

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

Not classified based on available information.



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### **Product:**

Result : No eye irritation

### **Components:**

#### **acetamiprid (ISO):**

Species : Rabbit  
Result : No eye irritation

#### **N,N-dimethylformamide:**

Species : Rabbit  
Method : Draize Test  
Result : Irritation to eyes, reversing within 21 days

#### **Poly(oxy-1,2-ethanediyl), .alpha.-(nonylphenyl)-.omega.-hydroxy-:**

Species : Rabbit  
Method : Regulation (EC) No. 440/2008, Annex, B.5  
Result : Irritation to eyes, reversing within 21 days  
Remarks : Based on data from similar materials

### **Respiratory or skin sensitization**

#### **Skin sensitization**

Not classified based on available information.

#### **Respiratory sensitization**

Not classified based on available information.

### **Components:**

#### **acetamiprid (ISO):**

Species : Guinea pig  
Result : Not a skin sensitizer.

#### **N,N-dimethylformamide:**

Test Type : Local lymph node assay (LLNA)  
Species : Mouse  
Method : OECD Test Guideline 406  
Result : Not a skin sensitizer.

#### **Poly(oxy-1,2-ethanediyl), .alpha.-(nonylphenyl)-.omega.-hydroxy-:**

Test Type : Maximization Test  
Routes of exposure : Skin contact  
Species : Guinea pig  
Method : Regulation (EC) No. 440/2008, Annex, B.6  
Result : Does not cause skin sensitization.  
Remarks : Based on data from similar materials

### **Germ cell mutagenicity**

Not classified based on available information.

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### **Components:**

#### **acetamiprid (ISO):**

Genotoxicity in vitro	:	Test Type: Ames test Result: negative  Test Type: unscheduled DNA synthesis assay Result: negative  Test Type: Chromosome aberration test in vitro Result: positive
Genotoxicity in vivo	:	Test Type: Micronucleus test Species: Mouse Result: negative

#### **N,N-dimethylformamide:**

Genotoxicity in vitro	:	Test Type: reverse mutation assay Method: Regulation (EC) No. 440/2008, Annex, B.13/14 (Ames test) Result: negative  Test Type: sister chromatid exchange assay Result: negative  Test Type: in vitro DNA damage and/or repair study Result: negative  Test Type: Chromosome aberration test in vitro Result: negative
Genotoxicity in vivo	:	Test Type: Rodent Dominant Lethal Assay Species: Mouse (male) Application Route: Intraperitoneal injection Dose: 380 mg/kg bw Result: negative  Test Type: Rodent Dominant Lethal Assay Species: Rat (male) Application Route: inhalation (vapor) Dose: 0.09 & 0.91 mg/L Result: negative  Test Type: Micronucleus test Species: Mouse (male) Application Route: Intraperitoneal injection Dose: 0.2, 20 and 2000 mg/kg Result: negative

#### **Poly(oxy-1,2-ethanediyl), .alpha.-(nonylphenyl)-.omega.-hydroxy-:**

Genotoxicity in vitro	:	Test Type: gene mutation test Test system: Salmonella typhimurium Method: OECD Test Guideline 471 Result: negative
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Remarks: Based on data from similar materials

Germ cell mutagenicity - Assessment : In vitro tests did not show mutagenic effects

### **Carcinogenicity**

Not classified based on available information.

#### **Components:**

##### **acetamiprid (ISO):**

Species : Rat  
Result : negative

Species : Mouse  
Result : negative

##### **N,N-dimethylformamide:**

Species : Rat, male and female  
Application Route : Inhalation  
Exposure time : 2 years  
Dose : 0.08, 0.3, 1.2 mg/L  
NOAEC : 1.2 mg/l  
Method : OECD Test Guideline 451  
Result : negative

Species : Mouse, male and female  
Application Route : Inhalation  
Exposure time : 1.5 years  
Dose : 0.08, 0.30, 1.21 mg/L  
NOAEC : 1.2 mg/l  
Method : OECD Test Guideline 451  
Result : negative

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

### **Reproductive toxicity**

May damage fertility or the unborn child.

#### **Components:**

##### **acetamiprid (ISO):**

Effects on fertility : Species: Rat  
Result: negative

Effects on fetal development : Species: Rat  
Result: negative

Species: Rabbit  
Result: negative

Reproductive toxicity - Assessment : Some evidence of adverse effects on development, based on animal experiments.

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Remarks: Based on EU Harmonised classification - Annex VI of Regulation (EC) No 1272/2008 (CLP Regulation)

### **N,N-dimethylformamide:**

Effects on fertility : Test Type: Two-generation study  
Species: Mouse, male and female  
Application Route: Oral  
Dose: 1000, 4000, 7000 ppm  
General Toxicity F1: LOAEL: 1,000 mg/l

Effects on fetal development : Species: Rabbit  
Application Route: Dermal  
Dose: 100, 200, 400 mg/kg/d  
Duration of Single Treatment: 29 d  
General Toxicity Maternal: NOAEL: 200 mg/kg body weight  
Embryo-fetal toxicity.: LOAEL: 100 mg/kg bw/day  
Method: OECD Test Guideline 414

Species: Rabbit  
Application Route: Inhalation  
Dose: 0.15; 0.45; 1.36 mg/L  
Duration of Single Treatment: 29 d  
General Toxicity Maternal: NOAEL: 0.15 mg/L  
Teratogenicity: NOAEL: 0.15 mg/L  
Symptoms: Maternal effects.  
Method: OECD Test Guideline 414

Reproductive toxicity - Assessment : Clear evidence of adverse effects on sexual function and fertility, and/or on development, based on animal experiments

### **STOT-single exposure**

Not classified based on available information.

### **STOT-repeated exposure**

Not classified based on available information.

### **Components:**

#### **N,N-dimethylformamide:**

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

### **Repeated dose toxicity**

#### **Components:**

##### **acetamiprid (ISO):**

Species : Rat, male and female  
NOAEL : 7.1 - 8.8 mg/kg  
Exposure time : 2 years

Species : Mouse, male and female  
NOAEL : 20.3 - 25.2 mg/kg  
Exposure time : 1.5 years

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### **N,N-dimethylformamide:**

Species	: Rat, male and female
NOAEL	: 238 mg/kg
LOAEL	: 475 mg/kg
Application Route	: Oral
Exposure time	: 28 d
Dose	: 238, 475, 950, 1900 mg/kg
Method	: OECD Test Guideline 407
Target Organs	: Liver
Symptoms	: Liver effects

Species	: Rat, male and female
NOEC	: 0.3 mg/l
Application Route	: inhalation (vapor)
Exposure time	: 2 years
Dose	: 0.08, 0.3, 1.21 mg/L
Method	: OECD Test Guideline 451
Target Organs	: Liver
Symptoms	: Liver effects

Species	: Mouse, male and female
	: 0.08 mg/l
Application Route	: inhalation (vapor)
Exposure time	: 1.5 years
Dose	: 0.08, 0.30, 1.21 mg/L
Method	: OECD Test Guideline 451
Target Organs	: Liver
Symptoms	: Liver effects

### **Aspiration toxicity**

Not classified based on available information.

### **Further information**

#### **Product:**

Remarks	: Solvents may degrease the skin.
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## 12. ECOLOGICAL INFORMATION

### **Ecotoxicity**

#### **Product:**

Toxicity to fish	: LC50 (Fish): 100 mg/l Exposure time: 96 h
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Toxicity to terrestrial organisms	: NOEC: 100 ppm Species: Honey Bee
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#### **Components:**

**acetamiprid (ISO):**

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| Toxicity to fish   | : | LC50 (Lepomis macrochirus (Bluegill sunfish)): > 119.3 mg/l<br>Exposure time: 96 h<br><br>LC50 (Oncorhynchus mykiss (rainbow trout)): > 100 mg/l<br>Exposure time: 96 h             |
| Toxicity to daphnia and other aquatic invertebrates                    | : | EC50 (Daphnia magna (Water flea)): 49.8 mg/l<br>Exposure time: 48 h<br><br>EC50 (Chironomus riparius (harlequin fly)): 0.024 mg/l<br>Exposure time: 48 h                            |
| Toxicity to algae/aquatic plants                                       | : | ErC50 (Pseudokirchneriella subcapitata (green algae)): > 98.3 mg/l<br>Exposure time: 72 h   |
| M-Factor (Acute aquatic toxicity)                                      | : | 10  |
| Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) | : | NOEC: 5 µg/l<br>Exposure time: 28 d<br>Species: Chironomus riparius (harlequin fly)   |
| M-Factor (Chronic aquatic toxicity)                                    | : | 10  |
| Toxicity to terrestrial organisms                                      | : | LD50: 0.00885 mg/kg<br>End point: Acute oral toxicity<br>Species: Apis mellifera (bees)<br><br>0.00926 mg/kg<br>End point: Acute contact toxicity<br>Species: Apis mellifera (bees) |

### **N,N-dimethylformamide:**

- |   |   |  |
|---|---|--|
| Toxicity to fish                                    | : | LC50 (Lepomis macrochirus (Bluegill sunfish)): 7,100 mg/l<br>Exposure time: 96 h<br>Test Type: flow-through test<br>Method: EPA-660/3-75-009 |
| Toxicity to daphnia and other aquatic invertebrates | : | EC50 (Daphnia magna (Water flea)): 13,100 mg/l<br>Exposure time: 48 h<br>Test Type: static test<br>Method: OECD Test Guideline 202           |
| Toxicity to algae/aquatic plants                    | : | EC50 (Desmodesmus subspicatus (green algae)): > 1,000 mg/l<br>Exposure time: 72 h<br>Test Type: static test                                  |
| Toxicity to microorganisms                          | : | EC50 (Vibrio fischerii (Bacteria)): 12,300 mg/l<br>Exposure time: 5 min<br>Test Type: Growth inhibition                                      |

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Toxicity to fish (Chronic toxicity) : LOEC: 5 - 11 mg/l  
Exposure time: 180 d  
Species: Pimephales promelas (fathead minnow)

LOEC: 42.8 - 98.2 mg/l  
Species: Salvelinus fontinalis (Brook trout)

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 1,500 mg/l  
Exposure time: 21 d  
Species: Daphnia magna (Water flea)  
Test Type: semi-static test

### **Poly(oxy-1,2-ethanediyl), .alpha.-(nonylphenyl)-.omega.-hydroxy-:**

Toxicity to daphnia and other aquatic invertebrates : LC50: 1.821 mg/l  
Exposure time: 48 h  
Method: QSAR

EC50 (Daphnia magna (Water flea)): 14 mg/l  
End point: Immobilization  
Exposure time: 48 h

Toxicity to algae/aquatic plants : EC50 ( Pseudokirchneriella subcapitata (green algae)): 20 mg/l  
Exposure time: 48 h  
Method: Regulation (EC) No. 440/2008, Annex, C.3  
Remarks: Based on data from similar materials

EC50 ( Pseudokirchneriella subcapitata (green algae)): 50 mg/l  
Exposure time: 48 h  
Method: Regulation (EC) No. 440/2008, Annex, C.3  
Remarks: Based on data from similar materials

Toxicity to fish (Chronic toxicity) : NOEC: 0.035 mg/l  
End point: morphology  
Exposure time: 100 d  
Species: Oryzias latipes (Japanese medaka)  
Test Type: Renewal

### **Persistence and degradability**

#### **Components:**

##### **acetamiprid (ISO):**

Biodegradability : Result: Not readily biodegradable.

##### **N,N-dimethylformamide:**

Biodegradability : Inoculum: activated sludge, non-adapted  
Result: Inherently biodegradable.  
Method: OECD Test Guideline 302B

Inoculum: activated sludge  
Result: Readily biodegradable.

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Method: OECD Test Guideline 301E

**Poly(oxy-1,2-ethanediyl), .alpha.-(nonylphenyl)-.omega.-hydroxy-:**

Biodegradability : Result: Readily biodegradable.

**Bioaccumulative potential**

**Components:**

**acetamiprid (ISO):**

Bioaccumulation : Remarks: Does not bioaccumulate.

Partition coefficient: n-octanol/water : log Pow: 0.80 (25 °C)

**N,N-dimethylformamide:**

Bioaccumulation : Species: Cyprinus carpio (Carp)  
Bioconcentration factor (BCF): 1.2  
Method: OECD Test Guideline 305C

Partition coefficient: n-octanol/water : log Pow: -1.01

**Poly(oxy-1,2-ethanediyl), .alpha.-(nonylphenyl)-.omega.-hydroxy-:**

Partition coefficient: n-octanol/water : Pow: 3.7 (25 °C)  
Method: OECD Test Guideline 117

**Mobility in soil**

No data available

**Other adverse effects**

**Product:**

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.

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### 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.

Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
Do not re-use empty containers.  
Do not burn, or use a cutting torch on, the empty drum.



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### 14. TRANSPORT INFORMATION

#### International Regulations

##### UNRTDG

UN number	: UN 2903
Proper shipping name	: PESTICIDE, LIQUID, TOXIC, FLAMMABLE, N.O.S. (Acetamiprid)
Class	: 6.1
Subsidiary risk	: 3
Packing group	: III
Labels	: 6.1 (3)

##### IATA-DGR

UN/ID No.	: UN 2903
Proper shipping name	: Pesticide, liquid, toxic, flammable, n.o.s. (Acetamiprid)
Class	: 6.1
Subsidiary risk	: 3
Packing group	: III
Labels	: Toxic, Flammable Liquids
Packing instruction (cargo aircraft)	: 663
Packing instruction (passenger aircraft)	: 655
Environmentally hazardous	: yes

##### IMDG-Code

UN number	: UN 2903
Proper shipping name	: PESTICIDE, LIQUID, TOXIC, FLAMMABLE, N.O.S. (Acetamiprid)
Class	: 6.1
Subsidiary risk	: 3
Packing group	: III
Labels	: 6.1 (3)
EmS Code	: F-E, S-D
Marine pollutant	: yes

#### Transport in bulk according to IMO instruments

Not applicable for product as supplied.

#### 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

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

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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 the following components that are not on the Canadian DSL nor NDSL.  acetamiprid (ISO)
ENCS	: Not in compliance with the inventory
ISHL	: Not in compliance with the inventory
KECI	: On the inventory, or in compliance with the inventory
PICCS	: Not in compliance with the inventory
IECSC	: On the inventory, or in compliance with the inventory
NZIoC	: Not in compliance with the inventory
TECI	: Not in compliance with the inventory

## 16. OTHER INFORMATION

Revision Date	: 25.07.2023
Date format	: dd.mm.yyyy

### Full text of other abbreviations

ACGIH	: USA. ACGIH Threshold Limit Values (TLV)
ACGIH BEI	: ACGIH - Biological Exposure Indices (BEI)
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

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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

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