

# SAFETY DATA SHEET

According to Commission Regulation (EU) 2020/878 of amending  
Regulation (EC) No 1907/2006



## ACRINATHRIN 22.5 g/l + ABAMECTIN 12.6 g/l EW

Version	Revision Date:	SDS Number:	Date of last issue: -
3.0	13.09.2023	50000657	Date of first issue: 13.09.2023

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### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

**Product name** ACRINATHRIN 22.5 g/l + ABAMECTIN 12.6 g/l EW

#### Other means of identification

**Product code** 50000657

Unique Formula Identifier : 6ERY-J2X5-TN4D-THRK  
(UFI)

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

<b>Use of the Sub- stance/Mixture</b>	Insecticide
<b>Recommended restrictions on use</b>	Use as recommended by the label. For professional users only.

#### 1.3 Details of the supplier of the safety data sheet

**Supplier Address** FMC Agricultural Solutions A/S  
Thyborønvej 78  
DK-7673 Harbøre  
Denmark

Telephone: +45 9690 9690  
Telefax: +45 9690 9691  
E-mail address: SDS-Info@fmc.com .

#### 1.4 Emergency telephone number

For leak, fire, spill or accident emergencies, call:  
Denmark: +45-69918573 (CHEMTREC)

Medical emergency:  
Denmark: +45 82 12 12 12

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### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification (REGULATION (EC) No 1272/2008)

Acute toxicity, Category 4	H302: Harmful if swallowed.
Acute toxicity, Category 4	H332: Harmful if inhaled.
Eye irritation, Category 2	H319: Causes serious eye irritation.
Specific target organ toxicity - repeated exposure, Category 2	H373: May cause damage to organs through prolonged or repeated exposure.
Short-term (acute) aquatic hazard, Category 1	H400: Very toxic to aquatic life.
Long-term (chronic) aquatic hazard, Category 1	H410: Very toxic to aquatic life with long lasting effects.

#### 2.2 Label elements

##### Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal word :

Warning

Hazard statements :

H302 + H332 Harmful if swallowed or if inhaled.  
H319 Causes serious eye irritation.  
H373 May cause damage to organs through prolonged or repeated exposure.  
H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements :

##### Prevention:

P260 Do not breathe mist or vapours.  
P264 Wash skin thoroughly after handling.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

##### Response:

P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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### Disposal:

P501 Dispose of contents/container as hazardous waste in accordance with local regulations.

### Hazardous components which must be listed on the label:

Acrinathrin  
Alcohols, C11-14-iso-, C13-rich, ethoxylated  
abamectin (combination of avermectin B1a and avermectin B1b) (ISO)

### Additional Labelling

EUH401 To avoid risks to human health and the environment, comply with the instructions for use.

For special phrases (SP) and safety intervals, consult the label.

### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
Distillates (petroleum), hydrotreated light paraffinic; Baseoil — unspecified	64742-55-8 265-158-7 649-468-00-3	Asp. Tox. 1; H304	$\geq 1 - < 10$
octan-1-ol	111-87-5 203-917-6	Acute Tox. 4; H302 Acute Tox. 4; H312 Eye Irrit. 2; H319 Aquatic Chronic 3; H412  Acute toxicity estimate	$\geq 2,5 - < 10$

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		Acute oral toxicity: 720 mg/kg Acute dermal toxicity: 1.501 mg/kg	
Acrinathrin	101007-06-1	Acute Tox. 4; H332 Aquatic Acute 1; H400 Aquatic Chronic 1; H410  M-Factor (Acute aquatic toxicity): 10.000 M-Factor (Chronic aquatic toxicity): 10.000  Acute toxicity esti- mate  Acute inhalation tox- icity (dust/mist): 1,6 mg/l	>= 1 - < 2,5
Alcohols, C11-14-iso-, C13-rich, ethoxylated	78330-21-9	Acute Tox. 4; H302 Eye Dam. 1; H318 Aquatic Chronic 3; H412  Acute toxicity esti- mate  Acute oral toxicity: 500 mg/kg	>= 1 - < 2,5
Poly(oxy-1,2-ethanediyl), .alpha.- phosphono-.omega.-[2,4,6-tris(1- phenylethyl)phenoxy]-	114535-82-9	Eye Irrit. 2; H319 Aquatic Chronic 3; H412	>= 1 - < 2,5
abamectin (combination of aver- mectin B1a and avermectin B1b) (ISO)	71751-41-2 606-143-00-0	Acute Tox. 2; H300 Acute Tox. 1; H330 Repr. 2; H361d STOT RE 1; H372 (Nervous system) Aquatic Acute 1; H400 Aquatic Chronic 1; H410  M-Factor (Acute aquatic toxicity): 10.000	>= 1 - < 2,5

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			M-Factor (Chronic aquatic toxicity): 10.000	
			specific concentration limit STOT RE 1; H372 ≥ 5 % STOT RE 2; H373 0,5 - < 5 %	
			Acute toxicity estimate	
			Acute oral toxicity: 5,0 mg/kg	

For explanation of abbreviations see section 16.

### SECTION 4: First aid measures

#### 4.1 Description of 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 : If experiencing any discomfort, immediately remove from exposure. Light cases: Keep person under surveillance. Get medical attention immediately if symptoms develop. Serious cases: Get medical attention immediately or call for an ambulance.  
If unconscious, place in recovery position and seek medical advice.  
If symptoms persist, call a physician.
- In case of skin contact : If on clothes, remove clothes.  
Do not start with flushing with water, but wipe off with dry cloth or using talcum powder, followed by washing with water and soap. Thereafter apply lidocaine, vitamin E cream or fatty skin care oil or cream.  
Get medical attention if irritation develops and persists.
- In case of eye contact : Immediately flush eye(s) with plenty of water.  
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.

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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.

### 4.2 Most important symptoms and effects, both acute and delayed

Risks : Exposure causes symptoms of nervous system depression.  
High doses cause death by respiratory failure.  
Acrinathrin can cause feelings of burning, tingling or numbness in exposed areas (paraesthesia).

Harmful if swallowed or if inhaled.  
Causes serious eye irritation.  
May cause damage to organs through prolonged or repeated exposure.

### 4.3 Indication of any immediate medical attention and special treatment needed

Treatment : Treat symptomatically.  
As soon as a feeling of tingling is noted in any skin area (see section 11), it is recommended to immediately apply lidocaine or a vitamin E cream. For this purpose lidocaine or vitamin E cream should be available at the workplace.  
If allowed to penetrate the skin, the active ingredient acrinathrin in this product may cause an irritation similar to sunburn. The substance will be drawn into a non-polar environment such as a fat based oil or cream. Vitamin E cream has been reported to be beneficial against other pyrethroid insecticides. Water is highly polar and will not decrease, but may prolong the irritation. Hot water may increase the pain. Since abamectin is believed to enhance GABA activity based on animal studies, it is probably wise to avoid drugs that enhance GABA activity (barbiturates, benzodiazepines, valproic acid).

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media : Dry chemical, CO<sub>2</sub>, water spray or regular foam.

Unsuitable extinguishing media : High volume water jet

### 5.2 Special hazards arising from the substance or mixture

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

Hazardous combustion products : Carbon oxides  
Nitrogen oxides (NO<sub>x</sub>)

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Fluorine compounds  
Oxides of phosphorus  
Thermal decomposition can lead to release of irritating gases  
and vapours.

### 5.3 Advice for firefighters

Special protective equipment : Wear self-contained breathing apparatus for firefighting if necessary.

Further information : 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.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.  
If it can be safely done, stop the leak.  
Keep people away from and upwind of spill/leak.  
Remove all sources of ignition.  
Immediately evacuate personnel to safe areas.  
Ensure adequate ventilation.  
Never return spills in original containers for re-use.  
Mark the contaminated area with signs and prevent access to unauthorized personnel.  
Only qualified personnel equipped with suitable protective equipment may intervene.

### 6.2 Environmental precautions

Environmental precautions : Prevent product from entering drains.  
Prevent further leakage or spillage if safe to do so.  
If the product contaminates rivers and lakes or drains inform respective authorities.

### 6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  
Keep in suitable, closed containers for disposal.

### 6.4 Reference to other sections

See sections: 7, 8, 11, 12 and 13.

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### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

- Advice on safe handling : Do not breathe vapours/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.  
Dispose of rinse water in accordance with local and national regulations.  
Persons susceptible to skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.
- Advice on protection against fire and explosion : Normal measures for preventive fire protection.
- Hygiene measures : When using do not eat or drink. When using do not smoke.  
Wash hands before breaks and at the end of workday.

#### 7.2 Conditions for safe storage, including any incompatibilities

- Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully re-sealed 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.

#### 7.3 Specific end use(s)

- Specific use(s) : Registered pesticide to be used in accordance with a label approved by country-specific regulatory authorities.

### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

Contains no substances with occupational exposure limit values.

**Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:**

Substance name	End Use	Exposure routes	Potential health effects	Value
Distillates (petroleum), hydrotreated light paraffinic;	Workers	Inhalation		2,7 mg/m <sup>3</sup>



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Baseoil — unspecified				
	Workers	Dermal		
	Consumers	Oral		0,74 mg/kg

### Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Substance name	Environmental Compartment	Value
methyl octanoate	Fresh water	0,002 mg/l
	Intermittent use (freshwater)	47,6 µg/l
	Marine water	180 ng/l
	Sewage treatment plant	100 mg/l
	Fresh water sediment	0,028 mg/kg dry weight (d.w.)
	Marine sediment	0,003 mg/kg dry weight (d.w.)
	Soil	10 mg/kg dry weight (d.w.)
	Secondary poisoning (predators)	66,6 mg/kg
octan-1-ol	Marine water	0 mg/l
	Fresh water	200 µg/l
	Marine water	20 µg/l
	Sewage treatment plant	55,5 mg/l
	Fresh water sediment	2,1 mg/kg dry weight (d.w.)
	Marine sediment	0,210 mg/kg dry weight (d.w.)
	Soil	1,6 mg/kg dry weight (d.w.)
Acrinathrin		0,32 ng/l

## 8.2 Exposure controls

### Personal protective equipment

Eye protection : Eye wash bottle with pure water  
Tightly fitting safety goggles  
Wear face-shield and protective suit for abnormal processing problems.

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.

Skin and body protection : Impervious clothing  
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

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

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Protective measures : Plan first aid action before beginning work with this product. Always have on hand a first-aid kit, together with proper instructions.  
Wear suitable protective equipment.  
When using do not eat, drink or smoke.

In the context of professional plant protection use as recommended, the end user must refer to the label and the instructions for use.

### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

Physical state	: liquid
Colour	: milky, white, cream
Odour	: aromatic
Odour Threshold	: not determined
Melting point/freezing point	: not determined
Boiling point/boiling range	: not determined
Upper explosion limit / Upper flammability limit	: not determined
Lower explosion limit / Lower flammability limit	: not determined
Flash point	: 109 °C
Decomposition temperature	: not determined
pH	: 5,98 Concentration: 1 %  5,88 (undiluted)
Viscosity	
Viscosity, dynamic	: 58,3 mPa.s (20 °C)  40,3 mPa.s (40 °C)
Solubility(ies)	
Water solubility	: Miscible

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Partition coefficient: n-octanol/water : Not available for this mixture.

Vapour pressure : Not available for this mixture.

Relative density : 0,9607 (20 °C)

Relative vapour density : not determined

### Particle characteristics

Particle size : Not applicable

Particle Size Distribution : Not applicable

Shape : Not applicable

### 9.2 Other information

Explosives : Not explosive

Oxidizing properties : Non-oxidizing

Self-ignition : 383 °C

Evaporation rate : not determined

Surface tension : 38 mN/m

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No decomposition if stored and applied as directed.

### 10.2 Chemical stability

No decomposition if stored and applied as directed.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : No decomposition if stored and applied as directed.

### 10.4 Conditions to avoid

Conditions to avoid : Heat, flames and sparks.

### 10.5 Incompatible materials

Materials to avoid : Avoid strong acids, bases, and oxidizers

### 10.6 Hazardous decomposition products

Stable under recommended storage conditions.

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### SECTION 11: Toxicological information

#### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

##### Acute toxicity

Harmful if swallowed or if inhaled.

##### Product:

Acute oral toxicity : LD50 (Rat): 310 - 366 mg/kg  
Method: OECD Test Guideline 425

Acute inhalation toxicity : LC50 (Rat, male): 2,12 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: OECD Test Guideline 403

LC50 (Rat, female): 1,31 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: OECD Test Guideline 403

Acute dermal toxicity : LD50 (Rat): > 2.000 mg/kg  
Method: OECD Test Guideline 402

##### Components:

##### **Distillates (petroleum), hydrotreated light paraffinic; Baseoil — unspecified:**

Acute oral toxicity : LD50 (Rat, male and female): > 5.000 mg/kg  
Method: OECD Test Guideline 401  
Remarks: Based on data from similar materials

Acute inhalation toxicity : LC50 (Rat, male and female): > 5,53 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  
Remarks: Based on data from similar materials

Acute dermal toxicity : LD50 (Rabbit, male and female): > 5.000 mg/kg  
Method: OECD Test Guideline 402  
Remarks: Based on data from similar materials

##### **octan-1-ol:**

Acute oral toxicity : LD50 (Rat, male): 1.800 mg/kg  
  
LD50 (Rat, female): 720 mg/kg  
  
Acute toxicity estimate: 720 mg/kg  
Method: ATE value derived from LD50/LC50 value

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Acute inhalation toxicity : LC50 (Rat): > 2,05 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: US EPA Test Guideline OPPTS 870.1300  
Assessment: The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity : LD50 (Rabbit, male and female): > 1.500 - < 2.000 mg/kg  
  
Acute toxicity estimate: 1.501 mg/kg  
Method: ATE value derived from LD50/LC50 value

### **Acrinathrin:**

Acute oral toxicity : LD50 (Rat): > 5.000 mg/kg  
Method: OECD Test Guideline 401

Acute inhalation toxicity : LC50 (Rat): 1,6 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
  
Acute toxicity estimate: 1,6 mg/l  
Test atmosphere: dust/mist  
Method: ATE value derived from LD50/LC50 value

Acute dermal toxicity : LD50 (Rat): > 2.000 mg/kg  
Method: OECD Test Guideline 402  
Assessment: The substance or mixture has no acute dermal toxicity

### **Alcohols, C11-14-iso-, C13-rich, ethoxylated:**

Acute oral toxicity : LD50 (Rat): 500 - 2.000 mg/kg  
Remarks: Based on data from similar materials  
  
Acute toxicity estimate: 500 mg/kg  
Method: ATE value derived from LD50/LC50 value

### **Poly(oxy-1,2-ethanediyl), .alpha.-phosphono-.omega.-[2,4,6-tris(1-phenylethyl)phenoxy]-:**

Acute oral toxicity : LD50 (Rat): > 2.000 mg/kg  
Method: OECD Test Guideline 401

### **abamectin (combination of avermectin B1a and avermectin B1b) (ISO):**

Acute oral toxicity : Acute toxicity estimate: 5,0 mg/kg  
Method: Converted acute toxicity point estimate  
  
LD50 (Rat): 340 mg/kg  
Method: OECD Test Guideline 425  
Symptoms: Fatality

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LD50 (Rat): 300 - 2.000 mg/kg  
Method: OECD Test Guideline 423  
Symptoms: ataxia, apathy, Tremors, Fatality

Acute inhalation toxicity : LC50 (Rat, male): 0,052 - 0,54 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: OECD Test Guideline 403

Acute dermal toxicity : LD50 (Rat): > 2.000 mg/kg  
Method: OECD Test Guideline 402

### Skin corrosion/irritation

Not classified based on available information.

### Product:

Assessment : Not classified as irritant  
Method : OECD Test Guideline 404  
Remarks : Minimal effects that do not meet the threshold for classification.

### Components:

#### Distillates (petroleum), hydrotreated light paraffinic; Baseoil — unspecified:

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

#### octan-1-ol:

Species : Rabbit  
Method : OECD Test Guideline 404  
Result : Mild skin irritation

#### Acrinathrin:

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

#### Alcohols, C11-14-iso-, C13-rich, ethoxylated:

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

#### Poly(oxy-1,2-ethanediyl), .alpha.-phosphono-.omega.-[2,4,6-tris(1-phenylethyl)phenoxy]-:

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

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### abamectin (combination of avermectin B1a and avermectin B1b) (ISO):

Species	: Rabbit
Assessment	: Not classified as irritant
Method	: OECD Test Guideline 404
Result	: slight or no skin irritation.

### Serious eye damage/eye irritation

Causes serious eye irritation.

#### Product:

Assessment	: Irritating to eyes.
Method	: OECD Test Guideline 405
Result	: Moderate eye irritation

#### Components:

### Distillates (petroleum), hydrotreated light paraffinic; Baseoil — unspecified:

Species	: Rabbit
Method	: OECD Test Guideline 405
Result	: No eye irritation
Remarks	: Based on data from similar materials

### octan-1-ol:

Species	: Rabbit
Method	: OECD Test Guideline 405
Result	: Irritation to eyes, reversing within 21 days

### Acrinathrin:

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

### Alcohols, C11-14-iso-, C13-rich, ethoxylated:

Species	: Rabbit
Result	: Irreversible effects on the eye

### Poly(oxy-1,2-ethanediyl), .alpha.-phosphono-.omega.-[2,4,6-tris(1-phenylethyl)phenoxy]-:

Species	: Rabbit
Method	: OECD Test Guideline 405
Result	: Eye irritation

### abamectin (combination of avermectin B1a and avermectin B1b) (ISO):

Species	: Rabbit
Assessment	: Not classified as irritant
Method	: OECD Test Guideline 405
Result	: Slight or no eye irritation

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### Respiratory or skin sensitisation

#### Skin sensitisation

Not classified based on available information.

#### Respiratory sensitisation

Not classified based on available information.

#### Product:

Assessment	:	Not a skin sensitizer.
Method	:	OECD Test Guideline 406

#### Components:

##### **Distillates (petroleum), hydrotreated light paraffinic; Baseoil — unspecified:**

Test Type	:	Buehler Test
Exposure routes	:	Skin contact
Species	:	Guinea pig
Method	:	OECD Test Guideline 406
Result	:	Not a skin sensitizer.
Remarks	:	Based on data from similar materials

##### **octan-1-ol:**

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

##### **Acrinathrin:**

Test Type	:	Maximisation Test
Species	:	Guinea pig
Result	:	Does not cause skin sensitisation.

##### **Alcohols, C11-14-iso-, C13-rich, ethoxylated:**

Exposure routes	:	Skin contact
Result	:	Does not cause skin sensitisation.

##### **abamectin (combination of avermectin B1a and avermectin B1b) (ISO):**

Exposure routes	:	Skin contact
Species	:	Guinea pig
Method	:	OECD Test Guideline 406
Result	:	Not a skin sensitizer.

### Germ cell mutagenicity

Not classified based on available information.



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### Components:

#### **Distillates (petroleum), hydrotreated light paraffinic; Baseoil — unspecified:**

Genotoxicity in vitro : Test Type: Chromosome aberration test in vitro  
Test system: Chinese hamster ovary cells  
Metabolic activation: with and without metabolic activation  
Result: negative  
Remarks: Based on data from similar materials

Test Type: reverse mutation assay  
Test system: TA98  
Metabolic activation: Metabolic activation  
Result: negative  
Remarks: Based on data from similar materials

Genotoxicity in vivo : Species: Mouse (male and female)  
Application Route: Intraperitoneal injection  
Method: OECD Test Guideline 474  
Result: negative  
Remarks: Based on data from similar materials

Germ cell mutagenicity- Assessment :  
Remarks: Mineral oil, highly refined, DMSO < 3% (IP346;  
Viscosity ≤ 20.5 mm<sup>2</sup>/s at 40°C)

#### **octan-1-ol:**

Genotoxicity in vitro : Test Type: In vitro mammalian cell gene mutation test  
Method: OECD Test Guideline 476  
Result: negative

Test Type: reverse mutation assay  
Method: OECD Test Guideline 471  
Result: negative

Genotoxicity in vivo : Test Type: Micronucleus test  
Species: Mouse (male and female)  
Application Route: Oral  
Method: OECD Test Guideline 474  
Result: negative

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

#### **Acrinathrin:**

Genotoxicity in vitro : Test Type: Chromosome aberration test in vitro  
Test system: Chinese hamster ovary cells  
Metabolic activation: Metabolic activation  
Result: positive

Genotoxicity in vivo : Test Type: chromosome aberration assay

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Result: negative

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

### **abamectin (combination of avermectin B1a and avermectin B1b) (ISO):**

Genotoxicity in vitro : Test Type: Ames test  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 471  
Result: negative  
GLP: yes

Genotoxicity in vivo : Test Type: Micronucleus test  
Species: mice  
Result: negative  
GLP: yes

Germ cell mutagenicity- Assessment : No genotoxic potential

### **Carcinogenicity**

Not classified based on available information.

### **Components:**

#### **Distillates (petroleum), hydrotreated light paraffinic; Baseoil — unspecified:**

Species : Mouse  
Application Route : Dermal  
Exposure time : 78 weeks  
Result : negative  
Remarks : Based on data from similar materials

Carcinogenicity - Assessment : Based on available data, the classification criteria are not met.  
Remarks: Mineral oil, highly refined, DMSO < 3% (IP346;  
Viscosity ≤ 20.5 mm<sup>2</sup>/s at 40°C)

### **Acrinathrin:**

Species : Rat, female  
Method : OECD Test Guideline 453  
Result : positive

Species : Mouse  
Method : OECD Test Guideline 451  
Result : negative

Species : Rat  
Method : OECD Test Guideline 453  
Result : negative

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

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### abamectin (combination of avermectin B1a and avermectin B1b) (ISO):

Method : OECD Test Guideline 451  
Remarks : Not classified

Method : OECD Test Guideline 453  
Remarks : Not classified

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

### Reproductive toxicity

Not classified based on available information.

### Components:

#### Distillates (petroleum), hydrotreated light paraffinic; Baseoil — unspecified:

Effects on fertility : Test Type: reproductive and developmental toxicity study  
Species: Rat, male and female  
Application Route: Oral  
Early Embryonic Development: NOAEL: 1.000 mg/kg bw/day  
Method: OECD Test Guideline 421  
Result: negative  
Remarks: Based on data from similar materials

Effects on foetal development : Test Type: Pre-natal  
Species: Rat  
Application Route: Dermal  
Teratogenicity: NOAEL: 2.000 mg/kg bw/day  
Symptoms: Maternal effects  
Result: negative  
Remarks: Based on data from similar materials

Reproductive toxicity - Assessment : Remarks: Mineral oil, highly refined, DMSO < 3% (IP346;  
Viscosity ≤ 20.5 mm<sup>2</sup>/s at 40°C)

#### octan-1-ol:

Effects on fertility : Test Type: one-generation reproductive toxicity  
Species: Rat, male and female  
Application Route: Oral  
Dose: 10, 100, 1000 mg/kg bw/day  
General Toxicity - Parent: NOAEL: 1.000 mg/kg bw/day  
General Toxicity F1: NOAEL: 1.000 mg/kg bw/day  
Result: negative

Effects on foetal development : Species: Rat  
Application Route: Oral  
Dose: 0,130,650,975,1300 mg/kg bw/day  
Duration of Single Treatment: 20 d

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General Toxicity Maternal: LOAEL: 650 mg/kg bw/day  
Embryo-foetal toxicity: NOAEL: 1.300 mg/kg bw/day  
Symptoms: Maternal effects  
Method: OECD Test Guideline 414

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

### Acrinathrin:

Reproductive toxicity - Assessment : No evidence of adverse effects on sexual function and fertility, or on development, based on animal experiments.

### abamectin (combination of avermectin B1a and avermectin B1b) (ISO):

Reproductive toxicity - Assessment : Some 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.

### Components:

#### Acrinathrin:

Remarks : No significant adverse effects were reported

### STOT - repeated exposure

May cause damage to organs through prolonged or repeated exposure.

### Product:

Assessment : The substance or mixture is classified as specific target organ toxicant, repeated exposure, category 2.

### Components:

#### octan-1-ol:

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

### abamectin (combination of avermectin B1a and avermectin B1b) (ISO):

Target Organs : Nervous system  
Assessment : The substance or mixture is classified as specific target organ toxicant, repeated exposure, category 1.

### Repeated dose toxicity

### Components:

#### Distillates (petroleum), hydrotreated light paraffinic; Baseoil — unspecified:

Species : Rat, male

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LOAEL : 125 mg/kg  
Application Route : Oral - gavage  
Exposure time : 13 weeks  
Remarks : Effects are of limited toxicological significance.  
Based on data from similar materials

Species : Rat, male and female  
NOAEC : > 0,98 mg/l  
Application Route : inhalation (dust/mist/fume)  
Exposure time : 4 weeks  
Remarks : No significant adverse effects were reported  
Based on data from similar materials

### octan-1-ol:

Species : Rat, male  
NOAEL : 1127 mg/kg bw/day  
Application Route : Oral  
Exposure time : 13 Weeks  
Dose : 182, 374, 1127 mg/kg bw/day

Species : Rat, female  
NOAEL : 1243 mg/kg bw/day  
Application Route : Oral  
Exposure time : 13 Weeks  
Dose : 216, 427, 1243 mg/kg bw/day

### Acrinathrin:

Species : Rat  
LOEL : 9 mg/kg  
Application Route : Oral  
Exposure time : 90 day  
Target Organs : Skin, Nervous system

### abamectin (combination of avermectin B1a and avermectin B1b) (ISO):

Species : Dog  
LOEL : 0,5 mg/kg  
Application Route : Oral  
Exposure time : 18 weeks  
Method : OECD Test Guideline 409

Species : Rat  
LOAEC : 0,0027 mg/l  
Application Route : Inhalation  
Exposure time : 30 d

Species : Rat, female  
NOAEL : 3,0 mg/kg  
LOAEL : 6,7 mg/kg  
Application Route : Oral

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Exposure time	: 28 d
Dose	: 0, 3, 6.7, 8.9, 11.5 mg/kg bw/day
Method	: OECD Test Guideline 407
GLP	: yes
Symptoms	: Tremors, Fatality

Species	: Rat, female
NOAEL	: 3,8 mg/kg
LOAEL	: 9,3 mg/kg
Application Route	: Oral
Exposure time	: 90 d
Dose	: 0, 1.8, 3.8, 9.3, 9.6 mg/kg bw/day
Method	: OECD Test Guideline 408
GLP	: yes

### Aspiration toxicity

Not classified based on available information.

### Components:

#### **Distillates (petroleum), hydrotreated light paraffinic; Baseoil — unspecified:**

May be fatal if swallowed and enters airways.

#### **Acrinathrin:**

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

#### **abamectin (combination of avermectin B1a and avermectin B1b) (ISO):**

No aspiration toxicity classification

## 11.2 Information on other hazards

### Endocrine disrupting properties

#### Product:

Assessment	: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
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### Neurological effects

#### Components:

#### **Acrinathrin:**

Remarks	: May cause paraesthesia
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### Further information

#### Product:

Remarks : Low exposure can cause non-specific symptoms (e.g. nausea, vomiting, diarrhoea, itching). Higher doses can cause symptoms of nervous system depression, such as pupil dilation, excitation, incoordination, tremors, convulsions, lethargy, coma. High doses can cause death by respiratory failure. Inhalation of the substance/product is uncomfortable and can result in coughing and difficulty breathing. This effect should also be taken as a warning to avoid further exposure.

#### Components:

##### **Acrinathrin:**

Remarks : On contact, the active ingredient can cause feelings of burning, tingling or numbness in exposed areas (paraesthesia), which is harmless at low exposure, but can be quite painful, especially in the eye. The effect may result from splash, aerosol or transfer from contaminated gloves. The effect is transient, lasting up to 24 hours, but may in exceptional cases last longer. It may be considered as a warning that overexposure has occurred and that work practice should be reviewed.

Inhalation of the substance/product is uncomfortable and can result in coughing and difficulty breathing. This effect should also be taken as a warning to avoid further exposure.

##### **abamectin (combination of avermectin B1a and avermectin B1b) (ISO):**

Remarks : Exposure causes symptoms of nervous system depression, such as pupil dilation, vomiting, excitation, incoordination, tremors, lethargy, coma. High doses cause death by respiratory failure.

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Product:

Toxicity to fish	:	LC50 (Oncorhynchus mykiss (rainbow trout)): 0,307 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): 0,00644 mg/l Exposure time: 48 h
Toxicity to algae/aquatic plants	:	EC50 (Pseudokirchneriella subcapitata (green algae)): 60,8 mg/l Exposure time: 72 h

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Toxicity to soil dwelling organisms	:	LC50: 1.875 mg/kg Exposure time: 14 d Species: Eisenia fetida (earthworms)
Toxicity to terrestrial organisms	:	LD50: > 2.000 mg/kg Species: Coturnix japonica (Japanese quail)  LC50: 0,153 µg/bee Exposure time: 48 h End point: Acute oral toxicity Species: Apis mellifera (bees)  LC50: 0,218 µg/bee Exposure time: 48 h End point: Acute contact toxicity Species: Apis mellifera (bees)

### Components:

#### **Distillates (petroleum), hydrotreated light paraffinic; Baseoil — unspecified:**

Toxicity to fish	:	LL50 (Pimephales promelas (fathead minnow)): > 100 mg/l Exposure time: 96 h Test Type: static test Method: OECD Test Guideline 203
Toxicity to daphnia and other aquatic invertebrates	:	EL50 (Daphnia magna (Water flea)): > 10.000 mg/l Exposure time: 24 h Test Type: static test Method: OECD Test Guideline 202
Toxicity to algae/aquatic plants	:	NOELR (Pseudokirchneriella subcapitata (green algae)): > 100 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
Toxicity to microorganisms	:	NOEL : > 1,93 mg/l Exposure time: 0,16 h
Toxicity to fish (Chronic toxicity)	:	NOELR: > 1.000 mg/l Exposure time: 14 d Species: Oncorhynchus mykiss (rainbow trout) Remarks: The value is given based on a SAR/AAR approach using OECD Toolbox, DEREK, VEGA QSAR models (CAESAR models), etc.
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	:	NOELR: 10 mg/l Exposure time: 21 d Species: Daphnia magna (Water flea) Test Type: semi-static test Method: OECD Test Guideline 211



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### octan-1-ol:

- |  |   |  |
|--|---|--|
| Toxicity to fish   | : | LC50 (Pimephales promelas (fathead minnow)): 13,3 mg/l<br>Exposure time: 96 h<br>Test Type: flow-through test  |
| Toxicity to daphnia and other aquatic invertebrates                    | : | EC50 (Daphnia magna (Water flea)): 20 mg/l<br>Exposure time: 24 h<br>Method: OECD Test Guideline 202   |
| Toxicity to algae/aquatic plants                                       | : | EC10 (Desmodesmus subspicatus (green algae)): 4,2 mg/l<br>Exposure time: 48 h<br>Test Type: static test<br><br>EC50 (Desmodesmus subspicatus (green algae)): 6,5 mg/l<br>Exposure time: 48 h<br>Test Type: static test |
| Toxicity to microorganisms   | : | (Protozoa): 44 mg/l<br>Exposure time: 72 h<br>Test Type: Cell multiplication inhibition test<br>Remarks: Based on data from similar materials  |
| Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) | : | NOEC: 1 mg/l<br>Exposure time: 21 d<br>Species: Daphnia magna (Water flea)<br>Method: OECD Test Guideline 211  |

### Acrinathrin:

- |  |   |  |
|--|---|--|
| Toxicity to fish   | : | LC50 (Oncorhynchus mykiss (rainbow trout)): 0,0061 mg/l<br>Exposure time: 96 h<br><br>LC50 (Pimephales promelas (fathead minnow)): 0,002 mg/l<br>Exposure time: 96 h |
| Toxicity to daphnia and other aquatic invertebrates                    | : | EC50 (Daphnia magna (Water flea)): 0,000022 mg/l<br>Exposure time: 48 h  |
| Toxicity to algae/aquatic plants                                       | : | IC50 (Scenedesmus subspicatus): > 100 mg/l<br>Exposure time: 72 h  |
| M-Factor (Acute aquatic toxicity)                                      | : | 10.000   |
| Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) | : | NOEC: 0,0063 µg/l<br>Exposure time: 21 d<br>Species: Daphnia magna (Water flea)  |
| M-Factor (Chronic aquatic toxicity)                                    | : | 10.000   |
| Toxicity to soil dwelling or-  | : | LC50: > 186 mg/kg  |



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Method: OECD Test Guideline 202  
GLP: yes

EC50 (Daphnia magna (Water flea)): 0,0002 - 0,00028 mg/l  
End point: Immobilization  
Exposure time: 48 h  
Method: OECD Test Guideline 202  
GLP: yes

EC50 (Daphnia pulex (Water flea)): 0,000159 mg/l  
End point: Immobilization  
Exposure time: 48 h  
Method: OECD Test Guideline 202  
GLP: yes

NOEC (Daphnia pulex (Water flea)): 0,000089 mg/l  
End point: Immobilization  
Exposure time: 48 h  
Method: OECD Test Guideline 202  
GLP: yes

Toxicity to algae/aquatic plants : EC50 (Scenedesmus capricornutum (fresh water algae)): 56,68 - 85,41 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201  
GLP: yes

M-Factor (Acute aquatic toxicity) : 10.000

Toxicity to fish (Chronic toxicity) : NOEC: 0,0044 mg/l  
Exposure time: 28 d  
Species: Pimephales promelas (fathead minnow)  
Method: OECD Test Guideline 210

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 0,00003 mg/l  
End point: reproduction  
Exposure time: 21 d  
Species: Daphnia magna (Water flea)  
Method: OECD Test Guideline 202

M-Factor (Chronic aquatic toxicity) : 10.000

Toxicity to soil dwelling organisms : LC50: 14,24 - 18,37 mg/kg  
Exposure time: 14 d  
Species: Eisenia fetida (earthworms)  
Method: OECD Test Guideline 207

Method: OECD Test Guideline 216  
Remarks: No significant adverse effect on nitrogen mineraliza-

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tion.

Method: OECD Test Guideline 217

Remarks: No significant adverse effect on carbon mineraliza-  
tion.

Toxicity to terrestrial organ- : LD50: 0,00071 - 0,00099 µg/bee  
isms : Exposure time: 48 h  
End point: Acute contact toxicity  
Species: Apis mellifera (bees)  
Method: OECD Test Guideline 214

LD50: > 5000 ppm  
Species: Coturnix japonica (Japanese quail)  
Remarks: Dietary

### Ecotoxicology Assessment

Acute aquatic toxicity : Very toxic to aquatic life.

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

### 12.2 Persistence and degradability

#### Product:

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

#### Components:

##### **Distillates (petroleum), hydrotreated light paraffinic; Baseoil — unspecified:**

Biodegradability : Result: Inherently biodegradable.  
Biodegradation: 31 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301F  
Remarks: Based on data from similar materials

##### **octan-1-ol:**

Biodegradability : Inoculum: activated sludge  
Result: Readily biodegradable.  
Biodegradation: 82,2 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301B

##### **Acrinathrin:**

Biodegradability : Result: Not readily biodegradable.

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Stability in water : Degradation half life: 1 d

### Alcohols, C11-14-iso-, C13-rich, ethoxylated:

Biodegradability : Result: Readily biodegradable.  
Biodegradation: > 60 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301E

### Poly(oxy-1,2-ethanediyl), .alpha.-phosphono-.omega.-[2,4,6-tris(1-phenylethyl)phenoxy]-:

Biodegradability : Result: Not readily biodegradable.  
Biodegradation: 30 - 40 %  
Method: OECD Test Guideline 302B

### abamectin (combination of avermectin B1a and avermectin B1b) (ISO):

Biodegradability : Result: Not readily biodegradable.  
Remarks: It undergoes degradation in the environment and in  
waste water treatment plants.

## 12.3 Bioaccumulative potential

### Product:

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

### Components:

#### octan-1-ol:

Partition coefficient: n-  
octanol/water : log Pow: 3,5 (23 °C)  
pH: 5,7

#### Acrinathrin:

Bioaccumulation : Species: Cyprinus carpio (Carp)  
Bioconcentration factor (BCF): 538  
Remarks: Bioaccumulation is unlikely.

Partition coefficient: n-  
octanol/water : log Pow: 5,24 (25 °C)

### abamectin (combination of avermectin B1a and avermectin B1b) (ISO):

Bioaccumulation : Species: Danio rerio (zebra fish)  
Bioconcentration factor (BCF): 54  
Remarks: Bioaccumulation is unlikely.

Partition coefficient: n-  
octanol/water : log Pow: 5,5

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### 12.4 Mobility in soil

#### Product:

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

#### Components:

##### **Acrinathrin:**

Distribution among environmental compartments : Remarks: immobile

##### **abamectin (combination of avermectin B1a and avermectin B1b) (ISO):**

Distribution among environmental compartments : Remarks: Mobile in soils

### 12.5 Results of PBT and vPvB assessment

#### Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### 12.6 Endocrine disrupting properties

#### Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### 12.7 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.  
Toxic to aquatic life with long lasting effects.

---

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product : The product should not be allowed to enter drains, water courses or the soil.  
Do not contaminate ponds, waterways or ditches with chemi-

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cal or used container.  
Send to a licensed waste management company.

Waste, residues, etc. must be collected, stored and disposed  
of in tightly closed container labeled: "Contains a substance  
that is covered by the Danish health and safety regulation in  
terms of cancer risk."

Contaminated packaging : Empty remaining contents.  
Do not re-use empty containers.  
Packaging that is not properly emptied must be disposed of as  
the unused product.  
Empty containers should be taken to an approved waste han-  
dling site for recycling or disposal.

### SECTION 14: Transport information

#### 14.1 UN number or ID number

ADN	: UN 3082
ADR	: UN 3082
RID	: UN 3082
IMDG	: UN 3082
IATA	: UN 3082

#### 14.2 UN proper shipping name

ADN	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Abamectin, Acrinathrin)
ADR	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Abamectin, Acrinathrin)
RID	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Abamectin, Acrinathrin)
IMDG	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Abamectin, Acrinathrin)
IATA	: Environmentally hazardous substance, liquid, n.o.s. (Abamectin, Acrinathrin)

#### 14.3 Transport hazard class(es)

	Class	Subsidiary risks
ADN	: 9	
ADR	: 9	

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**RID** : 9

**IMDG** : 9

**IATA** : 9

### 14.4 Packing group

#### ADN

Packing group : III  
Classification Code : M6  
Hazard Identification Number : 90  
Labels : 9

#### ADR

Packing group : III  
Classification Code : M6  
Hazard Identification Number : 90  
Labels : 9  
Tunnel restriction code : (-)

#### RID

Packing group : III  
Classification Code : M6  
Hazard Identification Number : 90  
Labels : 9

#### IMDG

Packing group : III  
Labels : 9  
EmS Code : F-A, S-F

#### IATA (Cargo)

Packing instruction (cargo aircraft) : 964  
Packing instruction (LQ) : Y964  
Packing group : III  
Labels : Miscellaneous

#### IATA (Passenger)

Packing instruction (passenger aircraft) : 964  
Packing instruction (LQ) : Y964  
Packing group : III  
Labels : Miscellaneous

### 14.5 Environmental hazards

#### ADN

Environmentally hazardous : yes

#### ADR

Environmentally hazardous : yes

#### RID

Environmentally hazardous : yes



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### IMDG

Marine pollutant : yes

### IATA (Passenger)

Environmentally hazardous : yes

### IATA (Cargo)

Environmentally hazardous : yes

### 14.6 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.

### 14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

## SECTION 15: Regulatory information

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

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII) : Conditions of restriction for the following entries should be considered:  
Number on list 3

formaldehyde (Number on list 72, 28)

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : Not applicable

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not applicable

Regulation (EU) 2019/1021 on persistent organic pollutants (recast) : Not applicable

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals : Not applicable

REACH - List of substances subject to authorisation (Annex XIV) : Not applicable

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.	E1	ENVIRONMENTAL HAZARDS
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- 34 Petroleum products: (a) gasolines and naphthas, (b) kerosenes (including jet fuels), (c) gas oils (including diesel fuels, home heating oils and gas oil blending streams),(d) heavy fuel oils (e) alternative fuels serving the same purposes and with similar properties as regards flammability and environmental hazards as the products referred to in points (a) to (d)

### Other regulations:

When evaluating a workplace, measures must be taken to ensure that employees are not exposed to conditions that may pose a risk during pregnancy or breastfeeding (cf. The Danish Working Environment Authority's Executive Order on The Performance of Work)

Young people under the age of 18 are not allowed to use or be exposed to the product professionally. Young people above the age of 15 are, however, except from this rule if the product is a necessary part of their education.

The substance/mixture is subject to the provisions of BEK nr. 1795 of 18/12/2015 (as amended) "Executive order on Measures to Protect Workers from the Risks related to Exposure to Carcinogenic Substances and Materials at Work". The work with this substance/mixture may pose a cancer risk.

: Distillates (petroleum), hydrotreated light paraffinic; Baseoil — unspecified

### The components of this product are reported in the following inventories:

- TCSI : Not 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.
- (S)-A-CYANO-3-PHENOXYBENZYL (1R,3S)-2,2-DIMETHYL-3-[(Z)-2-[[2,2,2-TRIFLUORO-1-(TRIFLUOROMETHYL)ETHOXY]CARBONYL}VINYL]CYCLOPROPANECARBOXYLATE  
abamectin (combination of avermectin B1a and avermectin B1b) (ISO)  
mixture of polyorganosiloxanes and fillers  
Oxirane, methyl-, polymer with oxirane, monobutyl ether  
high molecular weight polymeric emulsifier

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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

### 15.2 Chemical safety assessment

A chemical safety assessment is not required for this product (mixture).

## SECTION 16: Other information

### Full text of H-Statements

H300	:	Fatal if swallowed.
H302	:	Harmful if swallowed.
H304	:	May be fatal if swallowed and enters airways.
H312	:	Harmful in contact with skin.
H318	:	Causes serious eye damage.
H319	:	Causes serious eye irritation.
H330	:	Fatal if inhaled.
H332	:	Harmful if inhaled.
H361d	:	Suspected of damaging the unborn child.
H372	:	Causes damage to organs through prolonged or repeated exposure.
H400	:	Very toxic to aquatic life.
H410	:	Very toxic to aquatic life with long lasting effects.
H412	:	Harmful to aquatic life with long lasting effects.

### Full text of other abbreviations

Acute Tox.	:	Acute toxicity
Aquatic Acute	:	Short-term (acute) aquatic hazard
Aquatic Chronic	:	Long-term (chronic) aquatic hazard
Asp. Tox.	:	Aspiration hazard
Eye Dam.	:	Serious eye damage
Eye Irrit.	:	Eye irritation
Repr.	:	Reproductive toxicity
STOT RE	:	Specific target organ toxicity - repeated exposure

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard

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of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; 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; 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; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; 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; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

### Further information

#### Classification of the mixture:

Acute Tox. 4	H302
Acute Tox. 4	H332
Eye Irrit. 2	H319
STOT RE 2	H373
Aquatic Acute 1	H400
Aquatic Chronic 1	H410

#### Classification procedure:

Based on product data or assessment
Based on product data or assessment
Based on product data or assessment
Based on product data or assessment
Based on product data or assessment
Calculation method

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