

# SAFETY DATA SHEET



## TRIPSOL®

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	23.01.2025	50000657	Date of first issue: 23.01.2025

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

#### 1.1 Product identifier

**Product name** TRIPSOL®

#### Other means of identification

**Product code** 50000657

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

Use of the Substance/  
Mixture : Insecticide

Recommended restrictions  
on use : Use as recommended by the label.

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

FMC France  
11 bis Quai Perrache  
69002 LYON  
France  
Téléphone: 04 37 23 65 70  
e-mail: SDS-Info@fmc.com

**1.4 Emergency telephone number** For leak, fire, spill or accident emergencies, call:  
1 703 / 741-5970 (CHEMTREC - International)  
1 703 / 527-3887 (CHEMTREC - Alternate)

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

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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.

**TRIPSOL®**

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	23.01.2025	50000657	Date of first issue: 23.01.2025

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**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.

**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

**Additional Labelling**

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

**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.

# SAFETY DATA SHEET



## TRIPSOL®

Version 1.0      Revision Date: 23.01.2025      SDS Number: 50000657      Date of last issue: -  
Date of first issue: 23.01.2025

### 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	Carc. 1B; H350 Asp. Tox. 1; H304	>= 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	>= 2,5 - < 10
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	>= 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	>= 1 - < 2,5
Tristyryl phenol-polyethylene glycol-phosphoric acid ester	114535-82-9	Eye Irrit. 2; H319 Aquatic Chronic 3; H412	>= 1 - < 2,5
Abamectin	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 M-Factor (Chronic aquatic toxicity):	>= 1 - < 2,5

## TRIPSOL®

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	23.01.2025	50000657	Date of first issue: 23.01.2025

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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.<br>Show this safety data sheet to the doctor in attendance.<br>Do not leave the victim unattended.  |
| Protection of first-aiders | : | First Aid responders should pay attention to self-protection and use the recommended protective clothing<br>Avoid inhalation, ingestion and contact with skin and eyes.<br>If potential for exposure exists refer to Section 8 for specific personal protective equipment.  |
| 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.<br>If unconscious, place in recovery position and seek medical advice.<br>If symptoms persist, call a physician. |
| In case of skin contact    | : | If on clothes, remove clothes.<br>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.<br>Get medical attention if irritation develops and persists.  |
| In case of eye contact     | : | Immediately flush eye(s) with plenty of water.<br>Remove contact lenses.<br>Protect unharmed eye.<br>Keep eye wide open while rinsing.<br>If eye irritation persists, consult a specialist.   |
| If swallowed               | : | Do not induce vomiting without medical advice.<br>Keep respiratory tract clear.<br>Do not give milk or alcoholic beverages.<br>Never give anything by mouth to an unconscious person.<br>If symptoms persist, call a physician.   |

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

- |       |   |  |
|-------|---|--|
| Risks | : | Exposure causes symptoms of nervous system depression.<br>High doses cause death by respiratory failure.<br>Acrinathrin can cause feelings of burning, tingling or numbness in exposed areas (paraesthesia). |
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## TRIPSOL®

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	23.01.2025	50000657	Date of first issue: 23.01.2025

---

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).

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**SECTION 5: Firefighting measures****5.1 Extinguishing media**

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 : Do not spread spilled material with high-pressure water streams.  
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>)  
Fluorine compounds  
Oxides of phosphorus  
Thermal decomposition can lead to release of irritating gases and vapours.

**5.3 Advice for firefighters**

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

Further information : Collect contaminated fire extinguishing water separately. This

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	23.01.2025	50000657	Date of first issue: 23.01.2025

---

must not be discharged into drains.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

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## SECTION 6: Accidental release measures

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

Personal precautions : Evacuate personnel to safe areas.  
Use personal protective equipment.  
If it can be safely done, stop the leak.  
Do not touch or walk through the spilled material.  
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 : Normal measures for preventive fire protection.

## TRIPSOL®

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	23.01.2025	50000657	Date of first issue: 23.01.2025

fire and explosion

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****Occupational Exposure Limits**

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; Baseoil — unspecified	Workers	Inhalation		2,7 mg/m <sup>3</sup>
	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
octan-1-ol	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

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	23.01.2025	50000657	Date of first issue: 23.01.2025

---

## 8.2 Exposure controls

### Personal protective equipment

- |                          |   |  |
|--------------------------|---|--|
| Eye/face protection      | : | Eye wash bottle with pure water<br>Tightly fitting safety goggles<br>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<br>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.  |
| Protective measures      | : | Plan first aid action before beginning work with this product.<br>Always have on hand a first-aid kit, together with proper instructions.<br>Wear suitable protective equipment.<br>When using do not eat, drink or smoke.<br><br>In the context of professional plant protection use as recommended, the end user must refer to the label and the instructions for use. |

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## 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             |
| pH   | : | 6,09<br>Concentration: 1 % |
| Melting point/freezing point                     | : | not determined             |
| Boiling point/boiling range                      | : | not determined             |
| Flash point                                      | : | 109 °C                     |
| Evaporation rate                                 | : | not determined             |
| Upper explosion limit / Upper flammability limit | : | not determined             |
| Lower explosion limit / Lower                    | : | not determined             |



# SAFETY DATA SHEET



## TRIPSOL®

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	23.01.2025	50000657	Date of first issue: 23.01.2025

---

flammability limit	
Vapour pressure	: Not available for this mixture.
Relative vapour density	: not determined
Relative density	: 0,9607 (20 °C)
Density	: No data available
Bulk density	: No data available
Solubility(ies)	
Water solubility	: Miscible
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: Not available for this mixture.
Auto-ignition temperature	: No data available
Decomposition temperature	: not determined
Viscosity	
Viscosity, dynamic	: 58,3 mPa.s (20 °C)
	40,3 mPa.s (40 °C)
Viscosity, kinematic	: No data available
Explosive properties	: Not explosive
Oxidizing properties	: Non-oxidizing

### 9.2 Other information

Surface tension	: 38 mN/m
Particle size	: Not applicable
Particle Size Distribution	: Not applicable
Self-ignition	: 383 °C

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## 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.
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### 10.4 Conditions to avoid

Conditions to avoid	: Heat, flames and sparks. Avoid formation of aerosol.
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### 10.5 Incompatible materials

Materials to avoid	: Avoid strong acids, bases, and oxidizers
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### 10.6 Hazardous decomposition products

Stable under recommended storage conditions.

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	23.01.2025	50000657	Date of first issue: 23.01.2025

---

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### 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 inhalation toxicity : LC50 (Rat): > 2,05 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: US EPA Test Guideline OPPTS 870.1300

# SAFETY DATA SHEET



## TRIPSOL®

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	23.01.2025	50000657	Date of first issue: 23.01.2025

Assessment: The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity : LD50 (Rabbit, male and female): > 1.500 - < 2.000 mg/kg

### **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 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

### **Tristyryl phenol-polyethylene glycol-phosphoric acid ester:**

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

### **Abamectin:**

Acute oral toxicity : LD50 (Rat): 340 mg/kg  
Method: OECD Test Guideline 425  
Symptoms: Fatality

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**

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

### **Product:**

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

## TRIPSOL®

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	23.01.2025	50000657	Date of first issue: 23.01.2025

---

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**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

**Tristyryl phenol-polyethylene glycol-phosphoric acid ester:**

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

**Abamectin:**

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

# SAFETY DATA SHEET



## TRIPSOL®

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	23.01.2025	50000657	Date of first issue: 23.01.2025

---

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

### **Tristyryl phenol-polyethylene glycol-phosphoric acid ester:**

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

### **Abamectin:**

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

### **Respiratory or skin sensitisation**

#### **Skin sensitisation**

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

#### **Respiratory sensitisation**

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

#### **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

## TRIPSOL®

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	23.01.2025	50000657	Date of first issue: 23.01.2025

---

**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:**

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

**Germ cell mutagenicity**

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

**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
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	: Test Type: reverse mutation assay Test system: TA98 Metabolic activation: Metabolic activation Result: negative Remarks: Based on data from similar materials
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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
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Germ cell mutagenicity- Assessment	: Remarks: Mineral oil, highly refined, DMSO < 3% (IP346; Viscosity ≤ 20.5 mm <sup>2</sup> /s at 40°C)
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## TRIPSOL®

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	23.01.2025	50000657	Date of first issue: 23.01.2025

---

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

**Abamectin:**

- 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**

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

## TRIPSOL®

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	23.01.2025	50000657	Date of first issue: 23.01.2025

---

**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)
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**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 carcinogen
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**Abamectin:**

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
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**Reproductive toxicity**

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

**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
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# SAFETY DATA SHEET



## TRIPSOL®

Version 1.0	Revision Date: 23.01.2025	SDS Number: 50000657	Date of last issue: - Date of first issue: 23.01.2025
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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  
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:**

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

### **STOT - single exposure**

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

### **Components:**

#### **Acrinathrin:**

Remarks : No significant adverse effects were reported

# SAFETY DATA SHEET



## TRIPSOL®

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	23.01.2025	50000657	Date of first issue: 23.01.2025

---

### 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:**

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  
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:**

## TRIPSOL®

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	23.01.2025	50000657	Date of first issue: 23.01.2025

---

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

**Abamectin:**

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
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**

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

**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:**

No aspiration toxicity classification

## TRIPSOL®

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	23.01.2025	50000657	Date of first issue: 23.01.2025

---

**Neurological effects****Components:****Acrinathrin:**

Remarks : May cause paraesthesia

**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:**

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.

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**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 : EC50 (Daphnia magna (Water flea)): 0,00644 mg/l  
aquatic invertebrates Exposure time: 48 h

# SAFETY DATA SHEET



## TRIPSOL®

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	23.01.2025	50000657	Date of first issue: 23.01.2025

---

Toxicity to algae/aquatic plants	: EC50 (Pseudokirchneriella subcapitata (green algae)): 60,8 mg/l Exposure time: 72 h
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)

## TRIPSOL®

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	23.01.2025	50000657	Date of first issue: 23.01.2025

---

Test Type: semi-static test  
Method: OECD Test Guideline 211

**octan-1-ol:**

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 13,3 mg/l  
Exposure time: 96 h  
Test Type: flow-through test

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 20 mg/l  
Exposure time: 24 h  
Method: OECD Test Guideline 202

Toxicity to algae/aquatic plants : EC10 (Desmodesmus subspicatus (green algae)): 4,2 mg/l  
Exposure time: 48 h  
Test Type: static test

EC50 (Desmodesmus subspicatus (green algae)): 6,5 mg/l  
Exposure time: 48 h  
Test Type: static test

Toxicity to microorganisms : (Protozoa): 44 mg/l  
Exposure time: 72 h  
Test Type: Cell multiplication inhibition test  
Remarks: Based on data from similar materials

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 1 mg/l  
Exposure time: 21 d  
Species: Daphnia magna (Water flea)  
Method: OECD Test Guideline 211

**Acrinathrin:**

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 0,0061 mg/l  
Exposure time: 96 h

LC50 (Pimephales promelas (fathead minnow)): 0,002 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0,000022 mg/l  
Exposure time: 48 h

Toxicity to algae/aquatic plants : IC50 (Scenedesmus subspicatus): > 100 mg/l  
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  
Exposure time: 21 d  
Species: Daphnia magna (Water flea)

M-Factor (Chronic aquatic toxicity) : 10.000

## TRIPSOL®

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	23.01.2025	50000657	Date of first issue: 23.01.2025

---

Toxicity to soil dwelling organisms : LC50: > 186 mg/kg  
Exposure time: 14 d  
Species: Eisenia fetida (earthworms)

Toxicity to terrestrial organisms : LD50: 0.08 µg/bee  
End point: Acute contact toxicity  
Species: Apis mellifera (bees)

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

Toxicity to fish : LC50 (Danio rerio (zebra fish)): 10 - 100 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203

LC50 (Leuciscus idus (Golden orfe)): > 1 - 10 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 : > 1 - 10 mg/l  
Exposure time: 48 h

Toxicity to algae/aquatic plants : EC50 (algae): > 1 - 10 mg/l  
Exposure time: 72 h

EC10 (algae): > 0,1 - < 1 mg/l

**Tristyryl phenol-polyethylene glycol-phosphoric acid ester:**

Toxicity to fish : LC50 (Leuciscus idus (Golden orfe)): 100 - 500 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 100 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 202

Toxicity to algae/aquatic plants : NOEC (Desmodesmus subspicatus (green algae)): > 100 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201

EC50 (Desmodesmus subspicatus (green algae)): > 100 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201

**Abamectin:**

Toxicity to fish : LC50 (Danio rerio (zebra fish)): 0,027 - 0,044 mg/l  
Exposure time: 96 h  
Test Type: semi-static test  
Method: OECD Test Guideline 203  
GLP: yes

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0,0008 - 0,0015 mg/l  
End point: Immobilization  
Exposure time: 48 h  
Method: OECD Test Guideline 202

# SAFETY DATA SHEET



## TRIPSOL®

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	23.01.2025	50000657	Date of first issue: 23.01.2025

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 mineralization.



## TRIPSOL®

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	23.01.2025	50000657	Date of first issue: 23.01.2025

---

Method: OECD Test Guideline 217

Remarks: No significant adverse effect on carbon mineralization.

Toxicity to terrestrial organisms : LD50: 0,00071 - 0,00099 µg/bee  
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 biodegradable 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.

Stability in water : Degradation half life: 1 d

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

Biodegradability : Result: Readily biodegradable.  
Biodegradation: > 60 %

# SAFETY DATA SHEET



## TRIPSOL®

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	23.01.2025	50000657	Date of first issue: 23.01.2025

---

Exposure time: 28 d  
Method: OECD Test Guideline 301E

### Tristyryl phenol-polyethylene glycol-phosphoric acid ester:

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

### Abamectin:

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:

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

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

## 12.4 Mobility in soil

### Product:

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

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	23.01.2025	50000657	Date of first issue: 23.01.2025

---

**Components:****Acrinathrin:**

Distribution among environmental compartments : Remarks: immobile

**Abamectin:**

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 Other adverse effects****Product:**

Endocrine disrupting potential : 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.

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

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 handling site for recycling or disposal.

## TRIPSOL®

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	23.01.2025	50000657	Date of first issue: 23.01.2025

---

**SECTION 14: Transport information****14.1 UN 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
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

# SAFETY DATA SHEET



## TRIPSOL®

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	23.01.2025	50000657	Date of first issue: 23.01.2025

---

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

### 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 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable for product as supplied.

## TRIPSOL®

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	23.01.2025	50000657	Date of first issue: 23.01.2025

---

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****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 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

**15.2 Chemical safety assessment**

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

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**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.

## TRIPSOL®

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	23.01.2025	50000657	Date of first issue: 23.01.2025

---

H350	: May cause cancer.
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
Carc.	: Carcinogenicity
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 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; 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

**Further information**

# SAFETY DATA SHEET



## TRIPSOL®

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	23.01.2025	50000657	Date of first issue: 23.01.2025

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### 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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