



ACARAMIK® 1.8 EC

(Abamectin 18 g/L)

Safety Data Sheet

according to Regulation (EC) No. 453/2010

Date of issue: 07-07-2020

Version: 1.1

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

1.1. Product identifier

Trade name : ACARAMIK® 1.8 EC (Abamectin 18 g/L)
Product code : FI-001

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

1.2.1. Relevant identified uses

Main use category : Professional use
Use of the substance/preparation : Insecticide/Acaricide to be used by professionals for agriculture

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Rotam Agrochemical Company Ltd
Unite 6, 26/F Trend Centre, 29 Chung Lee Street, Chai Wan, Hong Kong.
Tel. : 852-2896 0662 Fax : 852-2558 6577
msds@rotam.com

1.4. Emergency telephone number

Emergency number : (86) 532 8388 9090

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 4 (Oral) H302
Eye Irrit 2A H319
Aquatic Acute 1 H400
Aquatic Chronic 1 H410

Full text of H-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS07

GHS09

Signal word (CLP) : Warning
Hazardous ingredients : abamectin
Hazard statements (CLP) : H302 - Harmful if swallowed
H319 - Cause serious eye irritation
H410 - Very toxic to aquatic life with long lasting effects
Precautionary statements (CLP) : P264 - Wash skin thoroughly after handling
P270 - Do not eat, drink or smoke when using this product
P273 - Avoid release to the environment
P301+P312 - If swallowed, call a doctor if you feel unwell
P330 - Rinse mouth
P391 - Collect spillage
P501 - Dispose of contents/container to local regulation

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

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3.2. Mixtures

Name	Product identifier		Classification according to Directive 67/548/EEC
abamectin	(CAS No.) 71751-41-2 (EC no) 265-610-3	18g/L	Cat.Repr.3; R63 T+; R26/28 T; R48/23/25 N; R50/53
Name	Product identifier		Classification according to Regulation (EC) No. 1272/2008 [CLP]
abamectin	(CAS No.) 71751-41-2 (EC no) 265-610-3	18g/L	Acute Tox. 2 (Oral), H300 Acute Tox. 1 (Inhalation:dust,mist), H330 Repr. 2, H361d STOT RE 1, H372 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Name	Product Identification	Specified Concentration Limites	
abamectin (combination of avermectin B1a and avermectin B1b) (ISO)	(n° CAS) 71751-41-2 (Numéro index) 606-143-00-0	(C) STOT RE 1, H372 (C < 5) STOT RE 2, H373	

Full text of R-, H- and EUH-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures general : Call a physician or poison control center immediately.
- First-aid measures after inhalation : Move the affected person to a place with fresh air and maintain at rest until recovered.
- First-aid measures after skin contact : By contact with skin wash with abundant water and soap.
- First-aid measures after eye contact : wash eyes with abundant clean water for 15 minutes, consult a medical doctor
- First-aid measures after ingestion : Do not induce vomiting, wash mouth and administer 3 to 4 spoons of activated carbon in half a glass of water. Go to a medical doctor.

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

Symptoms of intoxication include midrise (pupil dilatation), ataxia (dizziness) and muscle tremors.

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

Call a physician or poison control center immediately.

There is no specific antidote, treat the patient symptomatically

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Dry chemical powder, alcohol-resistant foam, carbon dioxide (CO₂).
- Unsuitable extinguishing media : high volume water jet.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : Hazardous decomposition products may be released during prolonged heating like smokes, carbon monoxide and dioxide, nitrogen oxides (NO_x).
- Explosion hazard : Product is not explosive.
- Reactivity : The product is stable at normal handling- and storage conditions.

5.3. Advice for firefighters

- Precautionary measures fire : Wear self-contained breathing apparatus and protective suit (see item 8).
- Firefighting instructions : Prevent runoff from entering drains, sewers or waterways.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Protective equipment : Wear personal protective equipment.

6.1.2. For emergency responders

- Protective equipment : Wear a self-contained breathing apparatus and appropriate personal protective equipment (PPE).

6.2. Environmental precautions

Do not allow material to contaminate ground water system.

6.3. Methods and material for containment and cleaning up

- For containment : Sweep or shovel spills into appropriate container for disposal.

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Methods for cleaning up : Large spills: scoop solid spill into closing containers. Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Wear proper protective equipment.

Precautions for safe handling : Do not eat, smoke or drink during the handling of this product.

7.2. Conditions for safe storage, including any incompatibilities

Do not transport or store this product together with food, medicine, clothing, household utensils or forages. Store this product under lock, in a fresh, dry place, away from heat or fire. Keep and store this product only in its original container, with corresponding label and well sealed. Transport and store away from herbicides. ROMITE® 1, 8 EC is not flammable or corrosive, but do not place near to sources of high heat.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

No additional information available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Yellowish
Colour	: Pale Yellow
Odour	: Characteristic odour.
Odour threshold	: No data available
pH	: 6.1
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 76.5°C
Self ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: 0.973g/ml at 25°C
Solubility	: No data available
Log Pow	: ≥ 6.53 (Anadiag, France)
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: Product is not explosive.
Oxidising properties	: Not classified as oxidising
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is stable at normal handling and storage conditions.

10.2. Chemical stability

Stable under normal conditions.

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10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

All heat sources, including direct sunlight.

10.5. Incompatible materials

Strong acids, strong bases and oxidation agents.

10.6. Hazardous decomposition products

No additional information available

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Harmful if swallowed.

ACARAMIK® 1.8 EC (Abamectin 18 g/L)	
LD ₅₀ oral rat	>50-300 mg/kg
LD ₅₀ dermal rat	> 2000 mg/kg
LC ₅₀ inhalation rat (mg/l)	1.4125 mg/l/l

Skin corrosion/irritation : Slightly irritat to skin, but not relevant to classification

Serious eye damage/irritation : Serious irritant to eyes

Respiratory or skin sensitisation : Not sensitive

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified

SECTION 12: Ecological information

12.1. Toxicity

ACARAMIK® 1.8 EC (Abamectin 18 g/L)–Bioagri Brazil Data	
LC ₅₀ fish	5.31mg/L (Danio rerio)
EC ₅₀ Daphnia	6.3 µg/l (Daphnia similis)
ErC ₅₀ (algae)	13.12 mg/l (Green algae)

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / ADNR / IMDG / ICAO / IATA

14.1. UN number

UN-No. : 3082

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14.2. UN proper shipping name

Proper Shipping Name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(abamectin)
Transport document description : UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. ((abamectin)), 9, III, (E)

14.3. Transport hazard class(es)

Class (UN) : 9
Hazard labels (UN) : 9



14.4. Packing group

Packing group (UN) (ADR, IMDG) : III

14.5. Environmental hazards

Dangerous for the environment :



Other information : No supplementary information available.

14.6. Special precautions for user

14.6.1. Overland transport

Hazard identification number (Kemler No.) : 90
Classification code : M6
Orange plates :



Special provision (ADR) : 274, 335, 601
Transport(ADR) : 3
Tunnel restriction code : E
Limited quantities (ADR) : LQ07
Excepted quantities (ADR) : E1
EAC code : •3Z

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

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

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

No REACH Annex XVII restrictions
Contains no REACH candidate substance

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Full text of R-, H- and EUH-phrases::

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Acute Tox. 1 (Inhalation)	Acute toxicity (inhalation) Category 1
Acute Tox. 2 (Oral)	Acute toxicity (oral) Category 2
Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Eye Irrit 2A	Serious eye damage/eye irritation, Category 2
Aquatic Acute 1	Hazardous to the aquatic environment - Acute Hazard Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment - Chronic Hazard Category 1
H300	Fatal if swallowed
H302	Harmful if swallowed
H319	Cause serious eye irritation
H330	Fatal if inhaled
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
R26/28	Very toxic by inhalation and if swallowed.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
N	Dangerous for the environment
T+	Very toxic

SDS EU (REACH Annex II)

Disclaimer:

- 1) The product can be used without posing an unreasonable risk to human health (including residues on food) and the environment.
- 2) The information provided by Rotam Agrochemical Co., Ltd contained herein is given in good faith and correct to the best of our knowledge. However, the information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification.