



SAFETY DATA SHEET MITAMEC 1.8EC

According to Regulation (EC) No 1907/2006, Annex II, as amended by Regulation (EU) No 453/2010

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

1.1. Product identifier

Product name MITAMEC 1.8EC

Product number FP 792

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

Identified uses Pesticide

Uses advised against No specific uses advised against are identified.

1.3. Details of the supplier of the safety data sheet

Supplier PelGar International Ltd
Unit 13
Newman Lane
Alton
Hampshire
GU34 2QR
United Kingdom
Telephone : +44(0)1420 80744
E-mail: garry@pelgar.co.uk

1.4. Emergency telephone number

Emergency telephone +44(0)1420 80744

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards Not Classified

Health hazards Acute Tox. 3 - H301 Acute Tox. 4 - H312 Acute Tox. 2 - H330 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Repr. 2 - H361 STOT RE 2 - H373

Environmental hazards Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410

Human health Prolonged or repeated contact with skin may cause irritation, redness and dermatitis.

Environmental The product contains a substance which is hazardous to aquatic organisms and which may cause long term adverse effects in the aquatic environment. See Section 12 for additional information on ecological hazards.

2.2. Label elements

MITAMEC 1.8EC

Pictogram



Signal word

Danger

Hazard statements

H301 Toxic if swallowed.
 H312 Harmful in contact with skin.
 H315 Causes skin irritation.
 H318 Causes serious eye damage.
 H330 Fatal if inhaled.
 H361 Suspected of damaging fertility or the unborn child.
 H373 May cause damage to organs through prolonged or repeated exposure.
 H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements

P202 Do not handle until all safety precautions have been read and understood.
 P260 Do not breathe vapour/spray.
 P264 Wash contaminated skin thoroughly after handling.
 P270 Do not eat, drink or smoke when using this product.
 P271 Use only outdoors or in a well-ventilated area.
 P273 Avoid release to the environment.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P284 [In case of inadequate ventilation] wear respiratory protection.
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
 P302+P352 IF ON SKIN: Wash with plenty of water.
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P308+P313 IF exposed or concerned: Get medical advice/attention.
 P330 Rinse mouth.
 P332+P313 If skin irritation occurs: Get medical advice/attention.
 P362+P364 Take off contaminated clothing and wash it before reuse.
 P391 Collect spillage.
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.
 P405 Store locked up.
 P501 Dispose of contents/container in accordance with national regulations.

Contains

CYCLOHEXANONE, ABAMECTIN

2.3. Other hazards

Not known

SECTION 3: Composition/information on ingredients

3.2. Mixtures

CYCLOHEXANONE	30-60%
CAS number: 108-94-1	EC number: 203-631-1
Classification	
Flam. Liq. 3 - H226	
Acute Tox. 4 - H332	

MITAMEC 1.8EC

ABAMECTIN	1-5%
CAS number: 71751-41-2	
M factor (Acute) = 10000	M factor (Chronic) = 10000
Classification Acute Tox. 2 - H300 Acute Tox. 1 - H330 Repr. 2 - H361 STOT RE 1 - H372 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	

The full text for all hazard statements is displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention immediately.
Ingestion	If swallowed, seek medical advice immediately and show this container or label.
Skin contact	Remove contaminated clothing and wash the skin with plenty of soap and water. If irritation occurs seek medical advice. Wash contaminated clothing before re-use.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Get medical attention if irritation develops and persists.

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

General information	Get medical attention promptly if symptoms occur after washing.
Inhalation	Fatal if inhaled.
Ingestion	Toxic if swallowed.
Skin contact	This product is strongly irritating.
Eye contact	Causes serious eye damage.

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

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Use fire-extinguishing media suitable for the surrounding fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards	Not known.
Hazardous combustion products	Not known.

5.3. Advice for firefighters

Protective actions during firefighting No specific firefighting precautions known.

SECTION 6: Accidental release measures

MITAMEC 1.8EC

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Wear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions

Environmental precautions Do not discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Wear protective clothing as described in Section 8 of this safety data sheet.

6.4. Reference to other sections

Reference to other sections Wear protective clothing as described in Section 8 of this safety data sheet.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed. Do not breathe vapors, mist or gas

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions The product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with government regulations.

Storage class Miscellaneous hazardous material storage.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

Usage description Pesticide

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

CYCLOHEXANONE

Long-term exposure limit (8-hour TWA): WEL 10 ppm(Sk)

Short-term exposure limit (15-minute): WEL 20 ppm(Sk)

ABAMECTIN

Long-term exposure limit (8-hour TWA): 0.02 mg/m³

WEL = Workplace Exposure Limit

Ingredient comments When using this product, refer to the label for details.

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate general and local exhaust ventilation. Observe any occupational exposure limits for the product or ingredients.

Eye/face protection

The following protection should be worn: Chemical splash goggles.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.

MITAMEC 1.8EC

Other skin and body protection	Use barrier creams to prevent skin contact. Wear appropriate protective clothing to prevent skin exposure.
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. Wash hands after handling.
Respiratory protection	Wear suitable respiratory protection.
Environmental exposure controls	Store in a demarcated bunded area to prevent release to drains and/or watercourses.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	No information.
Odour	Not known.
Odour threshold	No information available.
pH	No information available.
Melting point	No information available.
Initial boiling point and range	No information available.
Flash point	No information available.
Evaporation rate	No information available.
Evaporation factor	No information available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	No information available.
Vapour pressure	No information available.
Vapour density	No information available.
Relative density	No information available.
Bulk density	No information available.
Solubility(ies)	No information available.
Partition coefficient	No information available.
Auto-ignition temperature	No information available.
Decomposition Temperature	No information available.
Viscosity	No information available.
Explosive properties	No information available.
Explosive under the influence of a flame	Not considered to be explosive.
Oxidising properties	Not oxidising.

9.2. Other information

Other information	Not known.
--------------------------	------------

MITAMEC 1.8EC

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity Not known

10.2. Chemical stability

Stability Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Not known. No potentially hazardous reactions known.

10.4. Conditions to avoid

Conditions to avoid Not known

10.5. Incompatible materials

10.6. Hazardous decomposition products

Hazardous decomposition products Not known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg) 187.9

Acute toxicity - dermal

ATE dermal (mg/kg) 1,445.47

Acute toxicity - inhalation

ATE inhalation (gases ppm) 7,770.4

ATE inhalation (vapours mg/l) 18.99

ATE inhalation (dusts/mists mg/l) 0.14

Skin corrosion/irritation

Skin corrosion/irritation Severe skin irritation.

Serious eye damage/irritation

Serious eye damage/irritation Causes serious eye damage.

Reproductive toxicity

Reproductive toxicity - fertility Suspected of damaging fertility or the unborn child.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure May cause damage to organs through prolonged or repeated exposure.

Inhalation Toxic by inhalation.

Ingestion Toxic if swallowed.

Skin contact This product is strongly irritating.

Eye contact Causes serious eye damage.

Route of entry Inhalation Ingestion Skin and/or eye contact

MITAMEC 1.8EC

SECTION 12: Ecological Information

Ecotoxicity Not known.

12.1. Toxicity

12.2. Persistence and degradability

Persistence and degradability Not known

12.3. Bioaccumulative potential

Partition coefficient No information available.

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

Other adverse effects Not known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Dispose of waste in compliance with all local and national regulations.

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID) 2902

UN No. (IMDG) 2902

UN No. (ICAO) 2902

UN No. (ADN) 2902

14.2. UN proper shipping name

Proper shipping name (ADR/RID) PESTICIDE, LIQUID, TOXIC, N.O.S. (CONTAINS ABAMECTIN)

Proper shipping name (IMDG) PESTICIDE, LIQUID, TOXIC, N.O.S. (CONTAINS ABAMECTIN)

Proper shipping name (ICAO) PESTICIDE, LIQUID, TOXIC, N.O.S. (CONTAINS ABAMECTIN)

Proper shipping name (ADN) PESTICIDE, LIQUID, TOXIC, N.O.S. (CONTAINS ABAMECTIN)

14.3. Transport hazard class(es)

ADR/RID class 6.1

ADR/RID classification code T6

ADR/RID label 6.1

IMDG class 6.1

ICAO class/division 6.1

ADN class 6.1

MITAMEC 1.8EC

Transport labels



14.4. Packing group

ADR/RID packing group	II
IMDG packing group	II
ADN packing group	II
ICAO packing group	II

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant



14.6. Special precautions for user

EmS	F-A, S-A
ADR transport category	2
Emergency Action Code	2X
Hazard Identification Number (ADR/RID)	60
Tunnel restriction code	(D/E)

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

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

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

General information The information contained in this Safety Data Sheet is believed to be true and correct, as of the issue date. The accuracy and completeness of this information and any recommendations, or suggestions are made without warranty or guarantee. Since the conditions of use are beyond the control of our company, it is the responsibility of the user to determine the conditions of safe use for this product.

Revision date	26/05/2016
Revision	6
Supersedes date	26/05/2016

MITAMEC 1.8EC

Hazard statements in full

H226 Flammable liquid and vapour.
H300 Fatal if swallowed.
H301 Toxic if swallowed.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H330 Fatal if inhaled.
H332 Harmful if inhaled.
H361 Suspected of damaging fertility or the unborn child.
H372 Causes damage to organs through prolonged or repeated exposure.
H373 May cause damage to organs through prolonged or repeated exposure.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.