



## MATERIAL SAFETY DATA SHEET ECOREX ACCION EW

### 1. IDENTIFICATION OF THE PREPARATION AND THE COMPANY

#### Identification of the formulation

Product name: ECOREX ACCION EW  
Type of biocide: Insecticide for flying and creeping insects.  
Type of formulation: Concentrated water based emulsion.  
Registration: HSE approval number: 8703

#### Use of the substance or preparation

Ecorex Accion EW is an insecticide for strictly professional use, in the Environmental and Food Industry.

#### Identification of the company

Company that places the product on the market: MYLVA S.A.  
Via Augusta, 48  
08006 - BARCELONA  
Telephone: +34 902 109 114  
Fax: +34 93 415 63 44  
E-Mail: mylva@mylva.es

#### Emergency telephone

+34 93 760 14 71

### 2. DANGER IDENTIFICATION

#### Classification according to D1999/45/UE (DPD)



Harmful



Dangerous for environment.

#### Risk phrases

R20/22 Harmful by inhalation and if swallowed.  
R36/38 Irritating to eyes and skin.  
R43 May cause sensitisation by skin contact.  
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

#### Safety phrases

S2 Keep out of the reach of children.  
S13 Keep away from food, drink and animal feeding stuffs.  
S23 Do not breathe vapours.  
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S36/37 Wear suitable protective clothing and gloves.  
S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).  
S60 This material and its container must be disposed of as hazardous waste.  
S61 Avoid release to the environment. Refer to special instructions/safety data sheets.

#### Classification according to Regulation (UE) 1272/2008 (CLP)



ATTENTION

#### Hazard statements

H302 Harmful if swallowed.  
H332 Harmful if inhaled.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H410 Very toxic to aquatic life with long lasting effects.



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### Precautionary statements

- P102 Keep out of reach of children.  
P260 Do not breathe vapours.  
P280 Wear protective gloves.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P309 + P311 IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.  
P501 Dispose of contents and container according to local regulations.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

<b>Composition</b>	Permethrin	23,5%
	Isothiazolones mixture	0,2%
	Solvents and excipients	up to 100%

### Dangerous components

CAS No.	CHEMICAL NAME	CLASSIFICATION ACCORDING TO R1272/2008 (CLP)
52645-53-1	PERMETHRIN	Acute tox. Cat. 4; Skin sens. Cat 1; Aquatic Acute Cat. 1; Aquatic Chronic Cat. 1. H302, H332, H317, H410.
		CLASSIFICATION ACCORDING TO D67/548/CEE (DSD) Xn, N R20/22, R43, R50/53
55965-84-9	ISOTHIAZOLONES MIXTURE	CLASSIFICATION ACCORDING TO R1272/2008 (CLP) Acute Tox. Cat. 3; Skin sens Cat 1; Skin corr. Cat. 1B; Aquatic acute Cat. 1; Aquatic Chronic Cat. 1. H301, H311, H331, H314, H400, H410, H317
		CLASSIFICATION ACCORDING TO D67/548/CEE (DSD) T, C, Xi, N R23/24/25, R34 R43 50/53

### 4. FIRST AID MEASURES

#### First aid measures

Remove the person from contaminated area. Remove stained or splashed clothing. Do not administer anything by mouth. Let the patient rest. Maintain body temperature. After the inhalation: Control breathing, if necessary via artificial respiration. If the patient is unconscious, lie him down on his side with his head in a lower position than the rest of his body and semi bent knees. Take the patient to hospital, and if possible, always take the label or container with you. If contact with skin wash skin with plenty of water and soap, without rubbing. If contact with eyes wash eyes with plenty of water for at least 15 minutes. In case of ingestion, do not provoke vomiting. Take the patient to hospital, and if possible, always take the label or container with you.  
NEVER LEAVE THE PERSON UNATTENDED.

#### Therapeutic measures

In case of ingestion, digestive decontamination, according to consciousness. Administer an aqueous solution of activated carbon and a saline cathartic of sodium sulphate. Symptomatic treatment.

### 5. FIRE- FIGHTING MEASURES

Combustibility No

#### Correct means of extinguishing fire

In case of small fire: Dry chemical powder, Carbon Dioxide.

In case of important fire: Pulverized water or alcohol resistant foam (do not apply jet directly).

#### Special risks during the fire extinction

The combustion products may be toxic and /or irritant. Measures must be taken to prevent the polluted extinction agent from filtering into the ground or spreading uncontrollably. CO, CO<sub>2</sub>, NO<sub>x</sub>, SO<sub>x</sub>, PO<sub>x</sub>.

#### Fire protection equipment

Use autonomous respiratory equipment to protect against smoke and also wear protective clothing.



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### 6. ACCIDENTAL RELEASE MEASURES

#### **Personal precautions**

Secure adequate ventilation. Wear a suitable respiratory protection equipment.

#### **Measures to protect the environment**

Avoid contamination of drains, surface and subterranean water systems, as well as the ground.

#### **Cleaning measures**

Avoid spreading with the aid of sand, earth or diatomaceous earth, etc. Pick up the splitted material into hermetic containers, specially marked. The recovered product must be disposed of according to local legislation.

### 7. HANDLING AND STORAGE

#### *HANDLING*

Avoid contact with eyes and skin.

#### *STORAGE*

#### **Special storage instructions**

Keep the recipient well closed. Store in a cool and properly ventilated place. Keep away from light and humidity.

#### **Suitable packing material (s)**

Polyethylene bottles.

**Maximum storage temperature** 35 °C

**Minimum storage temperature** 5 °C

### 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

#### *EXPOSURE LIMITS VALUES*

**Maximum exposure limits for professionals:** Not established.

#### *EXPOSURE CONTROL*

#### **Professional exposure control**

**Respiratory protection** Wear respiratory protection, with filter.

**Hand protection** Use protective nitrile gloves.

**Eye protection** Safety glasses with side protection or facial protection.

**Skin protection** Use adequate protection equipment.

#### **Environmental exposure controls**

The product must to be handled and stored according to local legislation. The product is very toxic to aquatic organisms, can cause adverse long term effects on the environment.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

#### **General information**

**Appearance:** Opaque liquid

**Colour:** White

**Smell:** Inappreciable

#### **Information concerning health, safety and the environment**

**Ignition point:** N.A.

**Boiling point:** > 100°C

**Solubility in water:** Dispersible

**Explosive properties:** N.A.

**Distillation range:** N.A.

**Vapour pressure:** N.D.

**Relative density at 20 °C :** 1.02 – 1.05 g/ml.

**pH 2% solution:** 4 - 7

**Viscosity(20 r.p.m. T-E, 20 °C):** >10 mPa.s



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### 10. STABILITY AND REACTIVITY

<b>Chemical stability</b>	Stable under normal conditions.
<b>Conditions to avoid</b>	Sensitive to light and humidity.
<b>Materials to avoid</b>	Strong oxidizing agents, strong acids, strong bases.
<b>Hazardous decomposition products</b>	None known.

### 11. TOXICOLOGICAL INFORMATION

#### ACUTE TOXICITY

<b>Oral</b>	DL <sub>50</sub> >4.500 mg/kg.	(rat)
<b>Dermal</b>	DL <sub>50</sub> >5.700 mg/kg <sub>3</sub>	(rat)
<b>Inhalation</b>	CL <sub>50</sub> >9.500 mg/m <sup>3</sup>	(rat)

#### DANGEROUS HEALTH EFFECTS

<b>Eyes and Skin</b>	
Permethrin	Non irritating (rabbit).
Isothiazolones mixture	Has no caustic effect on skin and eyes.

#### LONG AND SHORT TERM CHRONIC EFFECTS

##### Sensitisation

Permethrin	Slightly sensitising (pigs)
Isothiazolones mixture	Possible sensitisation by skin contact.

##### Carcinogenicity

Permethrin	Not carcinogenic (rats and mice).
Isothiazolones mixture	No data available.

##### Mutagenicity

Permethrin	Not mutagenic
Isothiazolones mixture	Not mutagenic (OECD 471/EPA 84-4 method)

##### Reproductive toxicity

Permethrin	No teratogenic effects.
Isothiazolones mixture	Not teratogenic (EPA 83-3 a method).

### 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	Very toxic to aquatic organisms.
<b>Mobility</b>	The product is water miscible
<b>Persistence and degradability:</b>	The product is biodegradable.
<b>Bio-Accumulation</b>	The product does not cause bioaccumulation in aquatic organisms.

### 13. DISPOSAL CONSIDERATIONS

#### Product disposal

Observe clothing rules and protection measures. Moisten solid material carefully to prevent burning.

Use carbonated or soapy water to clean the floor and contaminated objects.

Do not dispose waste waters into drains or the environment. Cover the product with an absorbent material such as sand, earth or diatomaceous earth to prevent spreading.

Very polluted ground layers should be removed, until a clean layer arises. Use a suitable security container to prevent environmental contamination.

The product MUST NOT be disposed of into municipal sewer systems, drains or rivers.

The treatment and/or disposal must be carried out according to local legislation. The spilled product cannot be reused and must be disposed of. IT must be disposed of at an authorised residual waste collecting point.

#### Container disposal

Empty containers must be disposed of by an authorised dealer.

"Final holders of residues from industrial and commercial containers, must keep them in the conditions established in article 12 of the Spanish Containers and Residues from Containers Law 11/1997."



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### 14. TRANSPORT INFORMATION

#### Special considerations

Use unbreakable recipients, making sure that they are well secured and labelled according to the legislation.

<b>Miscibility with water</b>	Dispersible.
<b>UN number</b>	3082
<b>Class</b>	9
<b>Packing Group</b>	III
<b>Danger ID</b>	90

#### Classification for the transport by rail/road RID/ADR:

**Denomination:** Liquid substance potentially dangerous for the environment, (Permethrin 23.5%, Isothiazolone mixture 0.2%).

**Additional information:** Low harmfulness insecticide

**Limited quantities:** LQ7

Marine pollutant.

#### Classification for transport by sea, code-IMDG:

**Denomination:** Liquid substance potentially dangerous for the environment, (Permethrin 23.5%, Isothiazolone mixture 0.2%).

**Additional information:** Low harmfulness insecticide

#### Classification for transport by air IACO/IATA:

**Denomination:** Liquid substance potentially dangerous for the environment, (Permethrin 23.5%, Isothiazolone mixture 0.2%).

**Additional information:** Low harmfulness insecticide

Not allowed for air transport.

### 15. REGULATORY INFORMATION

#### Applied regulations

This Material safety data sheet comply with Annex I – Requirements for the Material safety data sheets elaboration from Regulation (EC) number 453/2010.

### 16. OTHER INFORMATION

Danger substances mentioned on section 3 but not corresponded with product danger classification.

#### Classification according with EU Directives UE 67/548/CEE o 1999/45/CE

R23/24/25 Toxic by inhalation, in contact with skin and if swallowed.

R34 Causes burns.

#### Clasificación de acuerdo con el Reglamento (CE) 1272/2008 [UE-GHS/CLP]

H301 Toxic if swallowed.

H302 Harmful if swallowed.

H311 Toxic in contact with skin.

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

H331 Toxic if inhaled.

H332 Harmful if inhaled.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

#### Recommended use

For strictly professional use in the environmental and food hygiene industries. Read the label carefully before using this product. Do not mix with any other chemical product. Secure proper ventilation before entering into the room. Follow instructions in order to prevent risks for health and the environment.

#### Food industry use

Do not apply Ecorex Accion EW near foodstuff.

Measures must be taken to prevent foodstuff, machines and tools handled in previously treated rooms from containing



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residues. Do not use in the presence of people.

Method of application: located spraying of water dilution of the product into skirting board /ground. Do not spray over or apply on surfaces where foodstuff is handled, prepared, consumed or served.

### *Environmental Use*

Do not use in the presence of people and/or pets. Do not spray over foodstuff or cooking tools. Mode of application: Spraying or nebulization of water dilution of the product.

The information published here is based on the knowledge and good work of the safety data files of the Manufactures of raw Materials. Therefore, this cannot be interpreted as guarantee for any specific property of the product. As consequence, it is under the users exclusive responsibility to decide if the information provided is appropriate or useful.