



## SAFETY DATA SHEET

In accordance with Directive 91/155 CEE y 2001/58/CE (Royal Decree 255/2003)

**Product Name: AGROCELHONE**

Date: 14-5-2017

Version: 1/2017

### 1. PREPARATION AND SOCIETY/COMPANY IDENTIFICATION

**Coppany Identification:** **AGROQUIMICOS DE LEVANTE, S.A.**  
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**Preparation Identification:**

<b>Type of preparation:</b>	Concentrated Emulsion (EC)
<b>Type of product:</b>	Soil Disinfectant with nematicide action
<b>Active Ingredients:</b>	1,3-Dichloropropene
<b>CAS no:</b>	542-75-6
<b>Chemical family:</b>	hidrocarbons C-3 clorides
<b>Empirical Formula:</b>	CH <sub>2</sub> ClCHCl
<b>Chemical</b>	(IUPAC) 1,3-dichloropropene
<b>Denomination:</b>	

**Emergency Telephone Number:** National Toxicology Institute  
TEL.: 915620420

### 2. COMPOSITION /INFORMATION ON COMPONENTS

**General Composition:** 1,3-dichloropropene 94.0% w/w

Dangerous Components	Nº CAS	Nº EINEC	% p/p	Classification
1,3-Dichloropropene	542-75-6	208-826-5	94	T; R25 Xn; R20/21 Xi; R36/37/38 R43, R10 N; R50-53
Acetone	67-64-1	200-662-2	0,15	F; Xi R11, R36, R66

### 3. IDENTIFICATION OF POTENTIAL RISKS

Colorless to straw colored liquid. Pungent, sweet, penetrating odor.

Highly toxic and irritating fumes are released in fire situations.

May cause eye irritataion or corneal injury. May be absorbed through the skin and causes skin irritation.

Potential skin sensitizer.

Toxic to aquatic organisms and avian.

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medio ambiente**

### 4. FIRST AID



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### GENERAL INSTRUCTIONS

Remove the person from the contaminated area.

Remove any stained or spattered clothing immediately.

If the person is unconscious, place them on their side, with the trunk of their body raised and their knees semi-bent. Maintain body temperature. Ensure they are brought to hospital immediately and if possible bring the label or packaging of the chemical involved.

#### Skin contact

Wash the affected area with plenty of soap and water without rubbing. Seek medical attention in the case of persistent irritation.

#### Eye contact

Wash the eye area in plenty of water for at least 15 minutes. Seek medical attention in the case of persistent irritation.

#### Inhalation

Ensure person affected is exposed to fresh air. Control breathing, in some cases artificial respiratory devices may be necessary.

#### Ingestion

Do not administer any oral remedies. In the case of ingestion do not force vomiting. Keep the patient in a resting position

### **NOTE TO DOCTOR**

**Symptoms of poisoning:** Includes severe irritation of the eyes, mucus, skin, respiratory or gastrointestinal tract. Nausea, vomiting, abdominal pain, gastrointestinal haemorrhaging. Difficulty breathing, anxiety, cyanosis, illness, cephalalgia. Pulmonary oedema. Hepatorenal changes with renal failure, severe coagulopathy, pancreatitis

**Recommendations:** In the case of ingestion, use digestive decontamination in accordance with the level of consciousness. Administer aqueous solution of active carbon and a saline catheter of sodium sulphate. Symptomatic treatment.

## 5. PREVENTATIVE MEASURES IN THE CASE OF FIRE

#### Flammable Point

25 °C Flammable

#### Inflamability (TCC):

1,3-dichloropropeno LFL 5.3%, UFL 14.5%

#### Extinction Methods

Foam, CO<sub>2</sub>, alcoholic foam and dry chemicals or dry powder.

#### Fire Risks :

Irritant toxic vapours may be emitted in the case of fire.

#### Preventative Equipment:

Use full body protective garments with respiratory filters by means of a cartridge or independent respiratory equipment.

## 6. MEASURES IN THE CASE OF ACCIDENTAL LEAKAGE

#### Precautions

Isolate the area of the leakage and prohibit any unnecessary access. Avoid coming into contact with or inhaling the product. Ventilate closed off areas before entering. In the case of being exposed to the product during cleaning procedures refer to point 4 of "First Aid".

#### Personal Protection

Use adequate protective clothing, gloves and protective masks with adequate filters or independent respiratory equipment. Quickly remove all contaminated clothing. Wash any areas of exposed skin with soap and water immediately after contact. Carefully wash all clothes before reusing them. Do not bring clothes home to be washed.

#### Precautions for the Protection of the Environment.

Avoid spillages into sewerage network, public water channels or the dispersion of the product so as to avoid contamination of surface or subterranean water. Plug leaks as long as such an action does not involve a level or risk

#### Cleaning Procedure

Isolate and signpost the spillage area.

Sweep or using a stick, collect product remains avoiding the production of dust. Transfer into a container. Do not hose the affected area with water.

If the product has spilt into a water duct or sewer, or has fallen on land or vegetation, advise the authorities.



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### **7. MOVEMENT AND STORAGE**

#### **Storage Conditions**

Store the product in a fresh, dry and well ventilated area. The product should not be used or stored close to a heat source or warm surface. Should only stored in its original packaging. Keep out of the reach of children and animals. Do not contaminate other plaguicides, fertilisers, water, food or feed, as a result of its storage or disposal. Follow fire prevention measures in the storage areas

#### **Movement Procedure**

Use adequate protective clothing to prevent direct contact with the product, in addition to respiratory protection masks, should they be necessary. Do not smoke, drink or eat whilst moving the products. Eliminate all possible igniting sources from the product's movement and storage area. Do not move any damaged receptacles without adequate protection. Keep the containers completely closed when not in use.

#### **Movement in the case of spillages.**

Do not touch the spilt material. Remove any igniting sources. Use adequate clothing for such movement: protective clothing, gloves, glasses, respiratory equipment. Clear all unprotected people from the area. If the spillages are as a result of leaks in the containers, attempt to repair these leaks as long as this provides no risk. Try to keep the spillage in the smallest possible area, avoiding the contamination of sewers, river beds and land. Collect the spilt material in a closed container by absorbing it in a dry material such as sand or sawdust. Use a stick to collect such material. Use ventilating or respiratory equipment if in a closed area. Dispose of waste in accordance with local legislation.

#### **Other precautions:**

Toxic product for fauna, keep away from reservoirs, rivers and lakes. Do not use in areas where there is a risk of landslide. Do not use when the atmospheric conditions may allow the product to be blown or drift away.

### **8. CONTROL DE EXPOSICIÓN / PROTECCIÓN PERSONAL**

The recommendations for personal protection in the movement and application of plaguicides, are indicated on the label itself. The information included below offers an addition useful guide to those individuals who use this product, and have not followed the indications on the label

#### **Ventilation:**

Follow the adequate ventilation procedures at each point in the process where dust or vapour emissions may be produced. Ventilate all transport vehicles before their unpacking. Even in this case it is advised to use independent respiratory devices.

#### **Protection of eyes:**

Whenever using this product chemically resistant glasses should be used or a protective screen. Protective eyewear should also be compatible with the protective respiratory device in use.

#### **Respiratory protection:**

During exposure to dust, spillages, nebulisation or pulverisation of stock, wear a respiratory device-air purifier covering half your facial area or wear a complete mask authorised for plaguicides by (U.S. NIOSH/MSHA; EU CEN or offering another certification by an equivalent organisation. The choice and use of the respiratory device depends on the concentration of the product in the air. Respiratory/air-purifiers should be equipped with plaguicide filters (filter for organic vapours and plaguicide pre-filter).

#### **Protection of hands:**

Whenever using this product chemically resistant gloves should be used, such as rubber, nitrile or any other material designed to protect against infiltration.



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If there is any indication of breakdown in the gloves or penetration by chemical products, remove the gloves and replace them immediately. Wash gloves in soap and water and remove them immediately after use. Wash hands in soap and water.

### Work clothes:

Use chemically resistant aprons and boots. For prolonged exposure as in the case of spillages, use an impermeable rubber suit or uniform which covers the entire body to avoid prolonged or repeated contact with skin.

### Other protective equipment.

The facilities in which these products are used or stored should be equipped with eyewash and safety showers.

### Personal hygiene

In the case of contamination clean water should be used to wash out the eyes and skin. Wash hands before drinking, eating or smoking. Shower at the end of the work day.

### Exposition limits

1,3-dichloropropene: TLV 1.0 ppm (ACGIH)

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Formulation type</b>	Concentrated Soluble (EC)
<b>Appearance:</b>	Heavy, lightly coloured liquid.
<b>Smell:</b>	Smell of chloroform
<b>Density:</b>	1.19 g/cc (25°C)
<b>pH (1%):</b>	4,6
<b>Flammability:</b>	Flammable
<b>Explosivity:</b>	Not explosive
<b>Oxidation properties:</b>	Aluminium, iron, copper, magnesium and polyvinile will rust.
<b>Foam duration</b> :	At 100% 3 min At 90% 12 min
<b>Solubility</b> :	Correct emulsion in water

## 10. STABILITY/REACTIVITY DATA

**Stability:** Stable in its original packaging, closed and kept in a dry, fresh area.

**Conditions to be avoided:** Strong bases, organic amines; aluminium rust, aluminium alloys, copper and its alloys, magnesium and polyvinile.

**Risk of polymerisation:** None

**Products of a dangerous decomposition.** In the case of fire they may produce toxic or irritant gases.

## 11. TOXICOLOGICAL INFORMATION

### Data relative to the active substance 1,3- dichloropropene:

<b><u>Entrance methods :</u></b>	Inhalation, or contact with eyes, skin or ingestion.
<b><u>Acute effects</u></b>	
DL50 oral level:	150 mg/kg
DL50 dermal level:	1200 mg/kg
CL50 (4 inhalation level) :	2.7 – 3.07 mg/l air
Dermal irritation	Irritant
Ocular irritation	Irritant



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Cutaneous sensitivity	Sensitive
<b><u>Carcinogenic Effects</u></b>	None
<b><u>Mutuagenic Effects:</u></b>	None
<b><u>Teratogenic Effects</u></b>	None
<b><u>Other data:</u></b>	NOEL (90 days inhalation study in rat) 0.05 mg/l air
	NOEL (2 year inhalation study) rat 0.099 mg/l air
	mouse 0.025 mg/l air

## 12. ECOLOGICAL INFORMATION

### Data relative to the active substance 1,3-dichloropropene:

#### **Environmental Behaviour**

The breakdown of land is rapid, the speed of the process is determined by the nature of the land. Losses will occur as a result of volatility, breakdown by micro-organisms, hydrolysis and atmospheric effects. The land may be hydrolysed by the corresponding 3 chloroallyl.

May be liquefied by surface water if on sandy land with a low percentage of organic material.

#### **Ecotoxicity.**

##### **Fish and aquatic organisms**

<i>Lepomis macrochirus</i> , CL50 (96 hours):	6.1 mg/l
<i>Leuciscus idus</i> , CL50 (96 hours):	9 mg/l
<i>Salmo gairdnerii</i> , CL50 (96 hours):	3.9 mg/l
<i>Cyprinus carpio</i> CL50 (48 hours):	5.1 mg/l
<i>Daphnia magna</i> , CL 50 (48 hours):	6.2 mg/l

##### **Birds and land animals**

Colinus virginianus DL50 acute oral:	152 mg/kg
Colinus virginianus CL50 8 day diet:	>10000 mg/kg
Wild duck CL50 8 day diet:	>10000 mg/kg

##### **Bees**

DL 6,58:	60.43 (g/bee)
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Potential for bioaccumulation Kow log P = 1.82 (20 °C)

Other noxious effects: This product is not classified as a risk to the ozone layer.

## 13. CONSIDERATIONS RELATIVE TO DISPOSAL

Waste Disposal



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The product must be eliminated in special containers, which will be collected for destruction by an company authorised in the treatment of the component organisms and the management of toxic waste.

It is prohibited to openly pour or burn this product or its packaging. In the case of spillages, if the spilt product cannot be removed following the instructions on the label, incineration is an acceptable method of disposal, in accordance with local, regional and national laws, and with environmental laws and regulations. As the acceptable methods for disposal may vary between countries, the appropriate official bodies should be contacted before disposal.

### Disposal of Empty Packaging:

Leave the empty containers, open face down in the fresh air for a minimum of 4 days (7 is recommended). This packaging, once all the contents have been used is still a dangerous waste material and therefore the user is obliged to dispose of it in reception points of the integrated management system SDDR (System for Deposit, Disposal and Return).

## **14. INFORMACIÓN RELATIVA AL TRASPORTE**

### By road, by railway

**Transport Name: DICHLOROPROPENES**

**Road/Railway: ADR/RID 3 Label: 3**

**Packaging group: III**

**Risk Identification number: 33**

**Material Identification Number (N° ONU): UN-2047**

### Maritime

**Transport Name: DICHLOROPROPENES**

**Maritime: OMI/IMDG 3 Label: 3**

**Packaging group: III**

**Risk Identification number: 33**

**Material Identification Number (N° ONU): UN-2047**

### Air

**Transport Name: DICHLOROPROPENES**

**Air: ICAO/IATA 3 Label: 3**

**Packaging group: III**

**Risk Identification number: 33**

**Material Identification Number (N° ONU): UN-2047**

**Prohibited for passengers or other cargo**

## **15. REGULATORY INFORMATION**

Labelled in accordance with the Directive 67/548/EEC and the Directive 1999/45/CE and further modifications (Royal Decree 255/2003)

AGROCELHONE is included in the Official Register of Products and Phytosanitary Material of the Ministry for Agriculture, Food and Fishing N° 22705



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### Pictograms:



Tóxico



Peligroso para el  
medio ambiente

### Details of risks:

R25: Tóxic by ingestion.

R20/21: Noxious by inhalation and in contact with skin.

R10: Flammable

R36/37/38: Irritates eyes, skin and respiratory airways.

R43: Causes sensitivity when coming into contact with skin.

R50/53 Extremely toxic for aquatic organisms, may provoke long term negative effects within the aquatic habitat.

### Care advice

S1/2: Maintain locked away and out of the reach of children.

S13: Keep away from food, drink or feeds.

S7/9: Keep stored in a well closed receptacle in a well ventilated area.

S23: Don't breath gases/vapours.

S24/25: Avoy contact with eyes and skin.

S29: Do not flush away waste.

S36/37: Use adequate dress and adequate protection gloves.

S43: In the case of fire, use foam, CO<sub>2</sub>, alcoholic foam and dry chemicals or dry powder..

S45: In the case of accidents or illness, seek immediate medical attention, bringing where possible the product label.

S56: Dispose of this product and its container in a special facility for the collection of dangerous and special waste.

## 16. OTHER INFORMATION

### Databases Consulted

EINECS: European Inventory of Existing Commercial Substances

ECB (European Chemical Bureau) – Classification and Labelling: Search ClassLab Database

INSHT (Institute for Safety and Hygiene in the Workplace) –Database with regard to limits on professional exposure to chemical agents.

### Regulations Consulted

Directive 67/548/CEE of dangerous substances (including amendments and adaptations in force) .

Directive 88/379/CEE on dangerous preparations (including amendments and adaptations in force).

Directive 91/689/CEE on dangerous waste.

Directive 91/156/CEE on dangerous waste.

Directive 93/112/CEE

Royal Decree with regard to the notification of new products and the classification, packaging and labelling of dangerous substances.

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Order PRE/2317/2002 to modify notes I-VIII of the Royal Decree 363/95  
Royal Decree 1416/2001 on phytosanitary product packaging.  
Royal Decree 255/2003, Regulations on the classification and labelling of dangerous preparations.

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