

**SECTION 1: IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY/UNDERTAKING.**

**1.1 Product identifier.**

Product Name: MILAGRUM PLUS

**1.2 Relevant identified uses of the mixture and uses advised against.**

The relevant use of the product is as plant fungicide.

Uses advised against none known.

**1.3 Details of the supplier of the safety data sheet.**

Company: **GRUPO AGROTECNOLOGÍA, S.L.**  
Address: Pol. Ind. Puente Alto, Parcela 57  
City: Orihuela  
Province: Alicante  
Country: Spain  
Telephone: +34 966 73 82 32  
Fax: +34 965 30 21 15  
E-mail: [info@agrotecnologia.net](mailto:info@agrotecnologia.net)

**1.4 Emergency telephone number:**

Contact Phone (Spain): +34 966 73 82 32 (only available during office hours).

Toxicological Information Service (Spain): +34 915 62 04 20 (Available 24 hours).

**SECTION 2: HAZARDS IDENTIFICATION.**

**2.1 Classification of the mixture.**

In accordance with Regulation (EU) No 1272/2008:

Eye Irrit. 2 : Causes serious eye irritation.

Skin Irrit. 2 : Causes skin irritation.

STOT SE 3 : May cause respiratory irritation.

**2.2 Label elements.**

**Labelling in accordance with Regulation (EU) No 1272/2008:**

Hazard pictograms:



Word of warning:

**Warning**

Hazard statements (H Phrases):

H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.

Precautionary statements (P Phrases):

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P262	Do not get in eyes, on skin, or on clothing.
P270	Do not eat, drink or smoke when using this product.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention.
P309+P310	IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.

P501 Dispose of contents/container in accordance with local/regional/national/international regulation.

Contains:

lecithins

### 2.3 Other hazards.

In normal use conditions and in its original form, the product itself does not involve any other risk for health and the environment.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS.

### 3.1 Substances.

Not Applicable.

### 3.2 Mixtures.

Substances posing a danger to health or the environment in accordance with the Regulation (EC) No. 1272/2008, assigned a Community exposure limit in the workplace, and classified as PBT/vPvB or included in the Candidate List:

Identifiers	Name	Concentrate	(*)Classification - Regulation (EC) No 1272/2008	
			Classification	Specific concentration limit
CAS No: 8002-43-5 EC No: 232-307-2	lecithins	< 75 %	Eye Irrit. 2, H319 Skin Irrit. 2, H315 STOT SE 3, H335	—

(\*) The complete text of the H phrases is given in section 16 of this Safety Data Sheet.

## SECTION 4: FIRST AID MEASURES.

**IRRITANT MIXTURE.** Its repeated or prolonged contact with the skin or mucous membranes can cause irritant symptoms such as reddening of the skin, blisters, or dermatitis. Inhalation of spray mist or particles in suspension may cause irritation of the respiratory tract, some symptoms may not be immediate.

Contact with eyes can cause serious eye irritation.

### 4.1 Description of first aid measures.

In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious.

#### Inhalation.

Take the victim into open air; keep them warm and calm. If breathing is irregular or stops, perform artificial respiration. Do not administer anything orally. If unconscious, place them in a suitable position and seek medical assistance.

#### Eye contact.

If wearing contact lenses, remove them. Wash eyes with plenty of clean and cool water for at least 10 minutes while pulling eyelids up and seek medical assistance.

#### Skin contact.

Remove contaminated clothing. Wash skin vigorously with water and soap or a suitable skin cleaner. NEVER use solvents or thinners.

#### Ingestion.

If accidentally ingested, seek immediate medical attention. Keep calm. NEVER induce vomiting.

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

**Irritant Product.** Repeated or prolonged contact with skin or mucous membranes can cause redness, blisters or dermatitis. Inhalation of spray mist or particles in suspension may cause irritation of the respiratory tract, some symptoms may not be immediate.

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

In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious. Cover the affected area with a dry sterile bandage. Protect the affected area from pressure or friction.

## SECTION 5: FIREFIGHTING MEASURES.

The product is NOT classified as flammable, in case of fire the following measures should be taken:

### 5.1 Extinguishing media.

#### Recommended extinguishing methods.

Extinguisher powder or CO<sub>2</sub>. In case of more serious fires, also alcohol-resistant foam and water spray. Do not use a direct stream of water to extinguish. In the presence of electrical voltage, you cannot use water or foam as extinguishing media.

### 5.2 Special hazards arising from the mixture.

#### Special risks.

Fire can cause thick, black smoke. As a result of thermal decomposition, dangerous products can form carbon monoxide, carbon dioxide. Exposure to combustion or decomposition products can be harmful to your health.

### 5.3 Advice for firefighters.

Use water to cool tanks, cisterns, or containers close to the heat source or fire. Take wind direction into account. Prevent the products used to fight the fire from going into drains, sewers, or waterways.

#### Fire protection equipment.

According to the size of the fire, it may be necessary to use protective suits against the heat, individual breathing equipment, gloves, protective goggles or facemasks, and gloves.

## SECTION 6: ACCIDENTAL RELEASE MEASURES.

The product is NOT classified as dangerous for the environment, although it is recommended to avoid as far as possible any spillage.

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

For exposure control and individual protection measures, see section 8.

### 6.2 Environmental precautions.

Prevent the contamination of drains, surface or subterranean waters, and the ground.

### 6.3 Methods and material for containment and cleaning up.

Pick up the spill with non-combustible absorbent materials (soil, sand, vermiculite, diatomite, etc.).

Pour the product and the absorbent in an appropriate container.

The contaminated area should be immediately cleaned with an appropriate de-contaminator.

Pour the decontaminator on the remains in an opened container and let it act various days until no further reaction is produced.

### 6.4 Reference to other sections.

For exposure control and individual protection measures, see section 8.

For later elimination of waste, follow the recommendations under section 13.

## SECTION 7: HANDLING AND STORAGE.

### 7.1 Precautions for safe handling.

The product does not require special handling measures, the following general measures are recommended:

For personal protection, see section 8.

Never use pressure to empty the containers. They are not pressure-resistant containers.

In the application area, smoking, eating, and drinking must be prohibited.

Follow legislation on occupational health and safety.

Keep the product in containers made of a material identical to the original.

### 7.2 Conditions for safe storage, including any incompatibilities.

The product does not require special storage measures.

As general storage measures, sources of heat, radiation, electricity and contact with food should be avoided.

Keep away from oxidising agents and from highly acidic or alkaline materials.

Store the containers between 5 and 35 °C, in a dry and well-ventilated place.

Store according to local legislation.

Observe indications on the label.

Once the containers are open, they must be carefully closed and placed vertically to prevent spills.

The product is not affected by Directive 2012/18/EU (SEVESO III).

### 7.3 Specific end use(s).

Agriculture: Plant fungicide.

No additional information on specific end uses (see Section 1.2).

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION.

### 8.1 Control parameters.

The product does NOT contain substances with Professional Exposure Environmental Limit Values.


The product does NOT contain substances with Biological Limit Values.

### 8.2 Exposure controls.


#### Measures of a technical nature:

Provide adequate ventilation, which can be achieved by using good local exhaust-ventilation and a good general exhaust system.

#### Breathing protection:


<p>PPE: Filter mask for protection against gases and particles.</p> <p>Characteristics: «CE» marking, category III. The mask must have a wide field of vision and an anatomically designed form in order to be sealed and watertight.</p> <p>CEN standards: EN 136, EN 140, EN 405</p> <p>Maintenance: Should not be stored in places exposed to high temperatures and damp environments before use. Special attention should be paid to the state of the inhalation and exhalation valves in the face adaptor.</p> <p>Observations: Read carefully the manufacturer's instructions regarding the equipment's use and maintenance. Attach the necessary filters to the equipment according to the specific nature of the risk (Particles and aerosols: P1-P2-P3, Gases and vapours: A-B-E-K-AX), changing them as advised by the manufacturer.</p> <p>Filter type: A2</p>	
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#### Hand protection:


<p>PPE: Protective gloves against chemicals.</p> <p>Characteristics: «CE» marking, category III.</p> <p>CEN standards: EN 374-1, EN 374-2, EN 374-3, EN 420</p> <p>Maintenance: Keep in a dry place, away from any sources of heat, and avoid exposure to sunlight as much as possible. Do not make any changes to the gloves that may alter their resistance, or apply paints, solvents or adhesives.</p> <p>Observations: Gloves should be of the appropriate size and fit the user's hand well, not being too loose or too tight. Always use with clean, dry hands.</p>	
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Protective creams can help to protect exposed areas of the skin. These creams must **NEVER** be applied once exposure has occurred.

#### Eye protection:

<p>PPE: Protective goggles with built-in frame.</p> <p>Characteristics: «CE» marking, category II. Eye protector with built-in frame for protection against dust, smoke, fog and vapour.</p> <p>CEN standards: EN 165, EN 166, EN 167, EN 168</p> <p>Maintenance: Visibility through lenses should be ideal. Therefore, these parts should be cleaned daily. Protectors should be disinfected periodically following the manufacturer's instructions.</p> <p>Observations: Some signs of wear and tear include: yellow colouring of the lenses, superficial scratching of the lenses, scraping etc.</p>	
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#### Skin protection:

<p>PPE: Chemical protective clothing</p> <p>Characteristics: «CE» marking, category III. Clothing should fit properly. The level of protection must be set according to a test parameter called BT (Breakthrough Time), which indicates how long it takes for the chemical to pass through the material.</p> <p>CEN standards: EN 464, EN 340, EN 943-1, EN 943-2, EN ISO 6529, EN ISO 6530, EN 13034</p> <p>Maintenance: In order to guarantee uniform protection, follow the washing and maintenance instructions provided by the manufacturer.</p> <p>Observations: The protective clothing's design should facilitate correct positioning, staying in place without moving for the period of use expected, bearing in mind environmental factors as well as any movement or position the user might adopt while carrying out the activity.</p>	
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<p>PPE: Anti-static safety footwear against chemicals.</p> <p>Characteristics: «CE» marking, category III. Check the list of chemicals against which the footwear is resistant.</p> <p>CEN standards: EN ISO 13287, EN 13832-1, EN 13832-2, EN 13832-3, EN ISO 20344, EN ISO 20345</p> <p>Maintenance: For correct maintenance of this kind of safety footwear, it is necessary to observe the instructions specified by the manufacturer. The footwear should be replaced as soon as any sign of damage is observed.</p> <p>Observations: The footwear should be cleaned regularly and dried when damp, although it should not be placed too close to a source of heat in order to avoid any sharp changes in temperature.</p>	
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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES.

### 9.1 Information on basic physical and chemical properties.

Appearance: Dark-yellow coloured liquid  
 Odour: Characteristic  
 Odour threshold: N.A./N.A.  
 pH: 6.0±0.5  
 Melting point: N.A./N.A.  
 Boiling Point: N.A./N.A.  
 Flash point: N.A. but > 55 °C  
 Evaporation velocity: N.A./N.A.  
 Flammability (solid, gas): N.A./N.A.  
 Lower Explosive Limit: N.A./N.A.  
 Upper Explosive Limit: N.A./N.A.  
 Vapour pressure: N.A./N.A.  
 Vapour density: N.A./N.A.  
 Relative density: 1.015±0.005 g/cm<sup>3</sup>  
 Solubility: N.A./N.A.  
 Liposolubility: N.A./N.A.  
 Hydrosolubility: N.A./N.A.  
 Partition coefficient (n-octanol/water): N.A./N.A.  
 Auto-ignition temperature: N.A./N.A.  
 Decomposition temperature: N.A./N.A.  
 Viscosity: N.A./N.A.  
 Explosive properties: N.A./N.A.  
 Oxidizing properties: N.A./N.A.  
 N.A./N.A.= Not Available/Not Applicable due to the nature of the product.

### 9.2 Other information.

VOC content (w / w): N.D.  
 Water insoluble but autoemulsifiable.  
 N.A./N.A.= Not Available/Not Applicable due to the nature of the product.

## SECTION 10: STABILITY AND REACTIVITY.

### 10.1 Reactivity.

The product does not present hazards by their reactivity.

### 10.2 Chemical stability.

Stable under the recommended handling and storage conditions (see section 7).

### 10.3 Possibility of hazardous reactions.

The product does not present possibility of hazardous reactions.

### 10.4 Conditions to avoid.

Avoid temperatures near or above the flash point. Do not heat closed containers

### 10.5 Incompatible materials.

Keep away from oxidising agents and from highly alkaline or acidic materials in order to prevent exothermic reactions.

### 10.6 Hazardous decomposition products.

In case of fire, dangerous decomposition products can be generated, such as carbon monoxide and dioxide and nitrogen fumes and oxides.

## SECTION 11: TOXICOLOGICAL INFORMATION.

**IRRITANT MIXTURE.** Its repeated or prolonged contact with the skin or mucous membranes can cause irritant symptoms such as reddening of the skin, blisters, or dermatitis. Inhalation of spray mist or particles in suspension may cause irritation of the respiratory tract, some symptoms may not be immediate.

Splatters in the eyes can cause serious irritation.

### 11.1 Information on toxicological effects.

There are no verified data available about the product.

Repeated or prolonged contact with the product can cause the elimination of oil from the skin, giving rise to non-allergic contact dermatitis and absorption of the product through the skin.

Splatters in the eyes can cause serious irritation.

a) acute toxicity;

Not conclusive data for classification.

b) skin corrosion/irritation;

Product classified:

Skin irritant, Category 2: Causes skin irritation.

c) serious eye damage/irritation;

Product classified:

Eye irritation, Category 2: Causes serious eye irritation.

d) respiratory or skin sensitisation;

Not conclusive data for classification.

e) germ cell mutagenicity;

Not conclusive data for classification.

f) carcinogenicity;

Not conclusive data for classification.

g) reproductive toxicity;

Not conclusive data for classification.

h) STOT-single exposure;

Product classified:

STOT SE 3 : May cause respiratory irritation.

i) STOT-repeated exposure;

Not conclusive data for classification.

j) aspiration hazard;

Not conclusive data for classification.

## SECTION 12: ECOLOGICAL INFORMATION.

### 12.1 Toxicity.

No information is available regarding the ecotoxicity of the substances present.

### 12.2 Persistence and degradability.

No information is available about persistence and degradability of the product.

### 12.3 Bioaccumulative potencial.

No information is available about persistence and degradability of the product.

### 12.4 Mobility in soil.

No information is available about the mobility in soil.

The product must not be allowed to go into sewers or waterways.

Prevent penetration into the ground.

### 12.5 Results of PBT and vPvB assessment.

No information is available about the results of PBT and vPvB assessment of the product.

### 12.6 Other adverse effects.

No information is available about other adverse effects for the environment.

#### SECTION 13: DISPOSAL CONSIDERATIONS.

##### 13.1 Waste treatment methods.

Do not dump into sewers or waterways.

Waste and empty containers must be handled and eliminated according to current local/national legislation.

Follow the provisions of Directive 2008/98/EC regarding waste management.

#### SECTION 14: TRANSPORT INFORMATION.

Transportation is not dangerous. In case of road accident causing the product's spillage, proceed in accordance with point 6.

##### 14.1 UN number.

Transportation is not dangerous.

##### 14.2 UN proper shipping name.

Transportation is not dangerous.

##### 14.3 Transport hazard class(es).

Transportation is not dangerous.

##### 14.4 Packing group.

Transportation is not dangerous.

##### 14.5 Environmental hazards.

Transportation is not dangerous.

##### 14.6 Special precautions for user.

Transportation is not dangerous.

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

Transportation is not dangerous.

#### SECTION 15: REGULATORY INFORMATION.

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

The product is not affected by the Regulation (EC) No 1005/2009 of the European Parliament and of the Council of 16 September 2009 on substances that deplete the ozone layer.

The product is not affected by Directive 2012/18/EU (SEVESO III).

The product is not affected by Regulation (EU) No 528/2012 concerning the making available on the market and use of biocidal products.

The product is not affected by the procedure established Regulation (EU) No 649/2012, concerning the export and import of dangerous chemicals.

##### 15.2 Chemical safety assessment.

There has not been carried out a chemical safety assessment of the product.

#### SECTION 16: OTHER INFORMATION.

It is recommended that the product only be employed for the purposes contemplated.

It is advisable to carry out basic training with regarding to health and safety at work in order to handle this product correctly.

Complete text of the H phrases that appear in section 3:

H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.

Classification codes that appear in section 3:

Eye Irrit. 2 : Eye irritation, Category 2  
Skin Irrit. 2 : Skin irritant, Category 2  
STOT SE 3 : Specific target organ toxicity following a single exposure, Category 3

Key literature references and sources for data:

<http://eur-lex.europa.eu>

<http://echa.europa.eu>

Regulation (EU) 2015/830.

Regulation (EC) No 1907/2006.

Regulation (EU) No 1272/2008.

The information given in this Safety Data Sheet has been drafted in accordance with COMMISSION REGULATION (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No. 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No. 793/93 and Commission Regulation (EC) No. 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

The information in this Safety Data Sheet on the Preparation is based on current knowledge and on current EC and national laws, as far as the working conditions of the users is beyond our knowledge and control. The product must not be used for purposes other than those that are specified without first having written instructions on how to handle. It is always the responsibility of the user to take the appropriate measures in order to comply with the requirements established by current legislation. The information contained in this Safety Sheet only states a description of the safety requirements for the preparation, and it must not be considered as a guarantee of its properties.