

## SAFETY DATA SHEET

According to Regulation (EC) N° 1907/2006

Creation	16/09/2019
Update	03/03/2020
Version	3

### SECTION 1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

#### 1.1. Product identifier

<i>Product type:</i>	Mixture
<i>Commercial name:</i>	AGROCEAN LAMINAFLO - VINOCEAN BMG
<i>Product code:</i>	ME3AGROB - ME3AGROLAMINAFLO5 - ME3AGROLAMINAFLO5M - ME3VINOBMG5

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

##### *Relevant identified uses of the substance or mixture:*

Fertilizer

*Uses advised against:* all other use

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

AGRIMER  
Prad Menan - CS 2003  
29880 PLOUGUERNEAU - France  
Tel : +33 2 98 04 54 11  
Fax : +33 2 98 04 55 11

#### 1.4. Emergency telephone number

##### *France :*

ORFILA number: +33 1 45 42 59 59, gives access to the poison control centers phone numbers.

##### *Other UE countries:*

The emergency telephone numbers are available on the European Chemical Agency (ECHA) website in Help section and National helpdesk tab:

<http://echa.europa.eu/web/guest/support/helpdesks/national-helpdesks/list-of-national-helpdesks>

## SAFETY DATA SHEET

According to Regulation (EC) N° 1907/2006

Creation 16/09/2019  
Update 03/03/2020  
Version 3

### SECTION 2. HAZARDS IDENTIFICATION

#### 2.1. Classification of the substance or mixture

**Classification according to Regulation (EC) N°1272/2008 (CLP):**

Product is not classified according to CLP regulation

#### 2.2. Label elements

**Labelling according to Regulation (EC) N°1272/2008 (CLP):**

**Hazard pictograms:**

-

**Signal word:**

Product is not subject to labeling according to CLP regulation

**Hazard statements:**

-

**Precautionary statements:**

-

#### 2.3. Other hazards

Product does not contain SVHC >= 0.1% published by ECHA according to REACH regulation, article 57:  
<http://echa.europa.eu/fr/candidate-list-table>

Product does not meet criteria for PBT or vPvB mixtures according to REACH regulation (EC) n° 1907/2006, annex XIII.

No particular hazards known, if instructions / indications for storage and handling are followed.

### SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

#### 3.2. Mixtures

**Classified substances:**

Substance / CAS / n° EC / Index / REACH	%	Substance classification
Hydrogen chloride CAS: 7647-01-0 EC n°: 231-595-7 REACH: 01-2119484862-27 INDEX: 017-002-01-X	0,5-1,5%	Met. Corr. 1 ; H290 Skin Corr. 1B ; H314 (C≥25% ; H315: 10%≤C<25%) Eye dam. 1 ; H318 (H319: 10%≤ C <25%) STOT SE 3 respiratory system ; H335 (C≥10%)

**Other non classified substances:**

Water ; Magnesium sulphate heptahydrate ; Boron ethanolamine ; Laminaria aqueous extract concentrate ; Laminaria ; Xanthan gum

## SAFETY DATA SHEET

According to Regulation (EC) N° 1907/2006

Creation	16/09/2019
Update	03/03/2020
Version	3

### SECTION 4. FIRST AID MEASURES

#### 4.1. Description of first aid measures

Remove contaminated clothing immediately. First aiders have to pay attention to self-protection. As a general rule, in case of doubt or if symptoms persist, always call a doctor.

**Following inhalation:**

Remove casualty to fresh air and keep at rest. Seek medical attention in the event of respiratory problems.

**Following skin contact:**

Wash with water and soap. Seek medical attention in the event of persistent irritation.

**Following eye contact:**

Rinse immediately with water for at least 15 minutes with the eyelids open. Remove contact lenses. Seek medical attention in the event of persistent irritation, redness or visual discomfort.

**Following ingestion:**

Do not drink. Do not induce vomiting. Rinse mouth with water if the person is conscious and keep at rest. Call a doctor or antipoison center.

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

No data available. Not considered as hazardous in normal conditions of use.

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

Treat symptomatically, no data available on specific treatment.

### SECTION 5. FIREFIGHTING MEASURES

#### 5.1. Extinguishing media

**Suitable extinguishing media:**

All extinguishing media can be used

**Unsuitable extinguishing media:**

None

#### 5.2. Special hazards arising from the substance or mixture

Combustion releases carbon monoxide, carbon dioxide and smoke. Do not inhale smoke.

#### 5.3. Advice for fire-fighters

Wear self-contained breathing apparatus and protective clothing.

Water used to extinguish fire should not enter drainage systems, soil or stretches of water. Ensure there are sufficient retaining facilities for water used to extinguish fire. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

## SAFETY DATA SHEET

According to Regulation (EC) N° 1907/2006

Creation	16/09/2019
Update	03/03/2020
Version	3

### SECTION 6. ACCIDENTAL RELEASE MEASURES

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

Wear personal protective equipment to avoid any contact with skin, eyes or personal clothes. See section 8.

#### 6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

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

Contain spills with non combustible absorbent materials such as sand, diatomaceous earth in suitable and tightly closed containers for disposal.

#### 6.4. Reference to other sections

See section 8 for information on personal protective equipment and section 13 for disposal information.

### SECTION 7. HANDLING AND STORAGE

#### 7.1. Precautions for safe handling

Do not eat, drink or smoke in work area. Wash hands after each use. Strictly follow the directions of use.

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

Keep in the original container tightly closed. Keep at temperature between 5°C and 35°C, away from light and moisture.

#### 7.3. Specific end use(s)

Uses: see point 1.2. and observe instructions for use

## SAFETY DATA SHEET

According to Regulation (EC) N° 1907/2006

Creation	16/09/2019
Update	03/03/2020
Version	3

### SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### 8.1. Control parameters

Data on components:

**Workplace Exposure Limits (WEL):**

**Hydrogen chloride (0,5-1,5%)**

France VLEP - VLCT : 5ppm, 7,6 mg/m<sup>3</sup>

**Derived No Effect Level (DNEL):**

**Hydrogen chloride (0,5-1,5%)**

. *Worker / General population - acute exposition*  
Local effects (inhalation): 8 mg/m<sup>3</sup>

. *Worker / General population - long term exposition*  
Local effects (inhalation): 8 mg/m<sup>3</sup>

**Predicted No Effect Concentration (PNEC):**

**Hydrogen chloride (0,5-1,5%)**

Fresh water:	36 µg/L
Marine water:	36 µg/L
Fresh water sediment:	/
Marine water sediment:	/
Water intermittent release:	45 µg/L
Seawage treatment plant:	36 µg/L
Soil:	0,036 mg/kg

#### 8.2. Exposure controls

**Respiratory protection**

No individual respiratory protective equipment is necessary.

**Hand protection**

Wear suitable protective gloves in case of prolonged or repeated contact with skin.

**Eye protection**

Wear eye glasses with side protection.

**Skin and body protection**

Wear clean and properly maintained working clothes.

**Hygienic measures**

Wash hands after handling product. Do not eat, drink or smoke in the working area.

**Environmental exposure controls**

Avoid any direct spillage in drainage systems, surface water and drains. Do not allow to enter into soil/subsoil

## SAFETY DATA SHEET

According to Regulation (EC) N° 1907/2006

Creation 16/09/2019  
Update 03/03/2020  
Version 3

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

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

<i>Colour</i>	conform / standard
<i>pH (20°C)</i>	5,320 - 6,050
<i>Density (hydrometer) 20°C</i>	1,250 - 1,265
<i>Particle size (refused at 280 µm)</i>	absence of crystals/lumps
<i>Boron (B)</i>	2,100 - 2,900 %
<i>Magnesium (MgO)</i>	4,100 - 5,900 %

#### 9.2. Other information

No data

### SECTION 10. STABILITY AND REACTIVITY

#### 10.1. Reactivity

No data available

#### 10.2. Chemical stability

Product is stable under normal conditions of use and storage

#### 10.3. Possibility of hazardous reactions

None to our best knowledge

#### 10.4. Conditions to avoid

Heat, moisture and light

#### 10.5. Incompatible materials

No data available

#### 10.6. Hazardous decomposition products

No data available

## SAFETY DATA SHEET

According to Regulation (EC) N° 1907/2006

Creation 16/09/2019  
Update 03/03/2020  
Version 3

### SECTION 11. TOXICOLOGICAL INFORMATION

#### 11.1. Informations on toxicological effects

No data available on mixture. Data on components:

##### *Magnesium sulphate heptahydrate (25-35%)*

###### **ACUTE TOXICITY**

Oral: LD50 > 2000 mg/kg bw (OECD 425)  
Dermal: LD50 > 2000mg/kg bw (OECD 402)  
Inhalation: /

###### **IRRITATION / CORROSION**

Skin: not irritating  
Eye: not irritating (OCDE 405)

###### **SENSITISATION**

Skin: not sensitising (OECD 429)  
Respiratory: /

###### **REPEATED DOSE TOXICITY**

Oral: NOAEL > 1500 mg/kg bw/day (OECD 422)  
Dermal: /  
Inhalation: /

###### **CMR**

Carcinogenicity: not classified  
Mutagenicity: not classified  
Toxicity to reproduction: not classified  
Teratogenicity: not classified

##### *Hydrogen chloride (0,5-1,5%)*

###### **ACUTE TOXICITY**

Oral: /  
Dermal: LD50 > 5010 mg/kg bw (rabbit ; 31,5% solution)  
Inhalation: LC50 = 45,6 mg/L (5 min ; rat)

###### **IRRITATION / CORROSION**

Skin: corrosive effects (1h ; OECD 404)  
Eye: eye damages (OECD 405)

###### **SENSITISATION**

Skin: not sensitising (OECD 406)  
Respiratory: /

###### **REPEATED DOSE TOXICITY**

Oral: /  
Dermal: /  
Inhalation: /

###### **CMR**

Carcinogenicity: not classified  
Mutagenicity: not classified  
Toxicity to reproduction: not classified  
Teratogenicity: not classified

## SAFETY DATA SHEET

According to Regulation (EC) N° 1907/2006

Creation 16/09/2019  
Update 03/03/2020  
Version 3

### SECTION 12. ECOLOGICAL INFORMATION

#### 12.1 Toxicity

No data available on mixture. Data on components:

##### *Magnesium sulphate heptahydrate (25-35%)*

###### FISH

Short-term toxicity: LC50 = 680 mg/L (96h ; Pimephales promelas)

Long-term toxicity: /

###### AQUATIC INVERTEBRATES

Short-term toxicity: LC50 = 720 mg/L (48h ; Daphnia magna)

Long-term toxicity: /

###### AQUATIC ALGAE AND CYANOBACTERIA:

EC50 = 2700 mg/L (18d ; Chlorella vulgaris)

###### MICROORGANISMS:

EC50 = 84 mg/L (0,5h ; Photobacterium phosphoreum)

##### *Boron ethanalamine (20-30%)*

###### FISH

Short-term toxicity: LC50 > 100 mg/L (fish)

Long-term toxicity: /

###### AQUATIC INVERTEBRATES

Short-term toxicity: EC50 = 496 mg/L (48h ; Daphnia magna)

Long-term toxicity: /

###### AQUATIC ALGAE AND CYANOBACTERIA:

EC50 = 26 mg/L (72h ; algae)

###### MICROORGANISMS:

/

##### *Hydrogen chloride (0,5-1,5%)*

###### FISH

Short-term toxicity: LC50 = 20,5 mg/L (24h ; Lepomis macrochirus)

Long-term toxicity: /

###### AQUATIC INVERTEBRATES

Short-term toxicity: EC50 = 0,45 mg/L (OECD 202)

Long-term toxicity: /

###### AQUATIC ALGAE AND CYANOBACTERIA:

EC50 = 0,73 mg/L (OECD 201)

###### MICROORGANISMS:

EC50 = 0,23 mg/L (OECD 209)

#### 12.2 Persistence and degradability

No data available on mixture. Data on components:

#### 12.3 Bioaccumulative potential

No data available on mixture. Data on components:

#### 12.4 Mobility in soil

No data available on mixture. Data on components:

#### 12.5 Results of PBT and vPvB assessment

Product does not meet criteria for PBT or vPvB mixtures according to REACH regulation (EC) n° 1907/2006, annex XIII.



## SAFETY DATA SHEET

According to Regulation (EC) N° 1907/2006

Creation	16/09/2019
Update	03/03/2020
Version	3

### 12.6 Other adverse effects

No data available

## SECTION 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

#### *Product*

Disposal of this product should be in accordance with local and national legislation. Avoid any direct spillage in drainage systems, surface water and drains. Do not allow to enter into soil/subsoil.

#### *Contaminated packagings*

Remaining contents should be emptied and carried out by an authorized waste management company for recycling or disposal

## SECTION 14. TRANSPORT INFORMATION

### 14.1. UN number

Not regulated

### 14.2 UN proper shipping name

Not regulated

### 14.3 Transport hazard class(es)

Not regulated

### 14.4 Packing group

Not regulated

### 14.5 Environmental hazards

Not regulated

### 14.6 Special precautions for user

No complementary information available

### 14.7 Transport in bulk according to annex II of MARPOL and the IBC code

Not regulated

## SAFETY DATA SHEET

According to Regulation (EC) N° 1907/2006

Creation	16/09/2019
Update	03/03/2020
Version	3

### SECTION 15. REGULATORY INFORMATION

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

Regulation (EC) n° 1907/2006 (REACH)

Regulation (EC) n° 1272/2008 (CLP)

SVHC substances:

Product does not contain SVHC >= 0.1% published by ECHA according to REACH regulation, article 57:

<http://echa.europa.eu/fr/candidate-list-table>

#### 15.2. Chemical safety assessment

Information not available

### SECTION 16. OTHER INFORMATION

Safety data sheet based on the legal provisions of Regulation (EC) N° 1907/2006 of the European Parliament and of the Council of 18 December 2006 (REACH), annex II

Hazard statements in section 2 and 3:

H290: May be corrosive to metals

H314: Causes severe skin burns and eye damage

H318: Causes serious eye damage

H335: May cause respiratory irritation

This safety data sheet completes the instructions of use but does not replace them. This data is based on the current knowledge relative to the product up to this data. We will not assume any responsibility and will expressly disclaim any liability for any use of the product other than the one for which this product is designed.

The regulatory data given in this safety data sheet is meant to help the user to fulfil regulatory obligations, however.

Compliance with all applicable federal, state, and local laws and regulations remains the responsibility of the user.

This safety data sheet cannot cover all possible situations that the user may experience during processing. Each aspect of your operation should be examined to determine if, or where, additional precautions may be necessary.

All health and safety information contained in this bulletin should be provided to your employees or customers. It is your responsibility to develop appropriate work practice guidelines and employee training programs for your operation.