

# SIPCAM INAGRA

## MATERIAL SAFETY DATA SHEET

(According to the Dir 2001/58/CE)

### SIPFOL-PLUS

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

Company SIPCAM INAGRA, S.A.	
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<b>National institute of Toxicology:      Emergency Phone: 00 34 91 562 04 20</b>	

<b>Trade Name:</b>	<b>SIPFOL-PLUS</b>
<b>Nomenclature:</b>	<b>Amino acids</b>
<b>Chemical Name (a.i.):</b>	<b>Amino acids, Mg y Micronutrients</b>
<b>Product Code :</b>	<b>26.74.00</b>
<b>Registration Number:</b>	<b>C.E.</b>
<b>Type of Formulate:</b>	<b>SOLUBLE CONCENTRATE (CS)</b>
<b>Use:</b>	<b>FERTILISER</b>

#### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Composition general: Amino Acids, Mg y Micronutrients.

Hazardous COMPONENTS	Concentration % p/p	Name EINECS	N° EINECS	N° CAS	R Phrases (See section 16)	Symbol and Classification
Does not contain any hazardous product						

### 3 DESCRIPTIONS OF HAZARDS

#### **Physical / Chemical Hazard**

El product is non-explosive, non-comburent, and non-corrosive.

Primary products are organic matter, amino acids from collagen. Amino acids obtained by enzymatic hydrolysis.

#### **Toxicology (Symptoms)**

##### **Inhalation:**

-

##### **Aspiration and ingestion:**

-

##### **Skin and Eye Contact:**

-

##### **Symptoms General effects:**

Not classified as a dangerous substance.

#### **Hazard for the environment**

-Not hazardous for the environment.

### 4. FIRST AID

##### **Symptoms:**

See Section 3.

##### **General Measures:**

Remove individual to fresh air. Keep the individual warm and quiet. If the individual is unconscious, position and transport in recovery position. Do not leave the individual alone at any time. Take the individual to a medical centre, or seek medical advice immediately and show the container or label

Attention: May cause chemical pneumonia by breathing.

##### **Inhalation:**

In case of accident by inhalation: remove casualty to fresh air and keep at rest. If necessary, artificial respiration may be done. Seek medical advice.

##### **Ingestion:**

If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label. Do not give anything to eat.

##### **Eye Contact:**

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

##### **Contact with the Skin:**

Take off immediately all contaminated clothing. After contact with skin, wash immediately with plenty soap and water. Seek medical advice.

### 5. FIRE FIGHTING MEASURES

##### **Extinguishing Measures:**

In case of fire use extinguishing powder, CO<sub>2</sub>, and pulverised water.

<u>Foam</u>	<u>CO<sub>2</sub></u>	<u>Dry Powder</u>	<u>Water</u>	<u>Others</u>
X	X	X	X	

##### **Counter-indication:**

Do not use water jet spray as it spreads the product. If necessary, after use collect it in appropriate containment to avoid environmental contamination.

**Special Measures:**

Cool the containers exposed to fire.

**Gases as a Product of the Combustion:**

Hazardous combustion products are mainly carbon monoxide and carbon dioxide and water.

**Protective Equipment against Fires:**

Fire fighters should wear normal protective equipment (full bunker gear) and positive-pressure self-contained breathing apparatus.

## 6. ACCIDENTAL RELEASE MEASURES

**Environmental Precautions:**

This material is water pollutant and should be prevented from entering sewers, drainage systems and bodies of water. Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point

**Personal Precautions:**

Aisle the area of drainage and do not allow unauthorised persons to enter. Avoid contact and inhalation of the product. If drainage has occurred in a close area, it must be ventilated.

**Precaution for Detoxification and Cleaning Procedures:**

Absorb spills with inert material (sand, sawdust, earth, etc.) then place in a chemical waste container. Dispose of this material and its container at hazardous or special waste collection point

**Personal Protection:**

Wear protective equipment, coveralls and normal clothing. Chemical resistant gloves such as barrier laminate, Viton, butyl nitrile or neoprene rubber (>14-g). In closed or not well ventilated areas, wear mask filter for organic vapours and solvents. Keep unprotected persons away.

## 7. HANDLING AND STORAGE

**Handling:**

Before opening the container, read the label. Use gloves and useful protective equipment to avoid prolonged contact and breathing of vapours or spray mist. Avoid poisoning of goods, and animal food as well as running water and fish-farms. The product is harmful to the Environment. Do not smoke, eat or drink while handling the product. Wash thoroughly with soap and water after handling the product. Handle on the same direction as the wind. In case of sickness seek medical advice as soon as possible.

Reserved use only to framers and professional appliers

**Storage:**

- Keep locked up and out of the reach of children
- Keep in a cool place
- Keep container tightly closed in a cool well-ventilated place.
- Keep only in the original container.

**Specific Uses:**

SIPFOL PLUS, for its content in amino acids and organic nitrogen provides the plants with a nutritive and stimulating medium of immediate action, independent of its clorifilic function, as it goes through the sap and is used directly by the vegetable for its development.

SIPFOL PLUS is therefore a medium to stimulate the induction of blooming, allows curdling, increases the gauge, improves the consistence of the skin and anticipate the coming of the fruits.

SIPFOL PLUS, for is content in Magnesium, eases the absorption ant transport of phosphor at the time of blooming and natural fall, contributes to increase the resistance of the plants to adverse conditions of frost, hailstorm, drought, phytotoxicity etc. and avoids serious lack of this element.

SIPFOL PLUS, for its content in microelements is a medium to keep the necessary balance of these in the plants.

SIPFOL PLUS, for its pH, posses a penetrating and buffer effect as well as an upgrading the medium or the water sprays.

SIPFOL PLUS, for its adhesive properties does not need the use of a wettable additive.

### Precautions

Do not mix with oily insecticides and copper salts without previously checking the phytotoxicity effect on the crop. Do not trespass the doses in greenhouses or mix with sulphur on portions above 300 cc per 100 litres on sensible crops.

Do not use in plums or other ornamental crops on which no previous tests have been done.

## 8. EXPOSURE CONTROL/PERSONAL PROTECTION

### General Precautions:

Avoid large exposure to product, even if it is in small amounts.

Use efficient systems that secure exhaustive ventilation keeping the concentrations of vapours below the limit minimum concentrations allowed by law of personal exposure.

### Control of Environmental exposure:

DO NOT CONTAMINATE THE WATER WITH THE PRODUCT NOR THE CONTAINER (Do not clean application equipment near surface water/Avoid contamination via drains from farmyards and roads).

Limit the use of the product to the doses specified on the label.

### Personal safety equipment:

*Breathing Protection:* Use self-breathing apparatus.

*Hand Protections:* Chemical resistant gloves such as barrier laminate, viton, butyl nitrile or neoprene rubber (>14 µg).

*Eye Protection:* Safety glasses, splash goggles or face shield. Contact lenses should not be worn.

*Skin Protection:* Coveralls and normal clothing.

### Workplace hygiene practices:

Good practise laboratories and hygienic measures should be taken reducing unnecessary exposure. Hot water showers should be used. It is convenient to have another set of clothes for changing. The clothes should be washed immediately after use and not to be worn again unless it is well cleaned.

All individual protection measures should be certified by the European Union's normative.

### Exposure limits:

TLV STEL = No data available

TWA = No data available

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Aspect:</b> Liquid	<b>Melting point:</b> N/a, it's a liquid
<b>Colour:</b> Brown	<b>Boiling point:</b> > 100 °C
<b>Density:</b> 1.28 g/ml	<b>pH</b> = (at 100%)=5.8
<b>Solubility in water:</b> Soluble	<b>Solubility in general:</b> Not known
<b>Vapour Pressure:</b> No data available	<b>Superficial Tension:</b> N/a as it is a Non- Newtonian
<b>Explosives Properties:</b> Non explosive	<b>Comburent Properties:</b> Non-comburent
<b>Ignition point:</b> No inflammable	<b>Self-ignition:</b> No inflammable
<b>Heat of Combustion:</b> Not known.	<b>Viscosity:</b> N/a
<b>Speed of evaporation:</b> Not known	<b>Vapour Density:</b> Not known
<b>Partition coefficient n-octanol/water:</b> Not known	
<b>Other data related:</b> Not known.	

## 10. STABILITY AND REACTIVITY

### Stability:

The product is stable under normal conditions of packaging and storage, for two years.

### Conditions to avoid:

Keep away from oxidant agents.

Do not mix with oily insecticides and copper salts without previously checking the phytotoxicity effect on the crop.

### Materials to avoid:

Not described.

### Products in decomposition:

Decomposition products are the ones that derivate from fermentation.

## 11. TOXICOLOGY

**Ways of entry:**

Skin and eye contact, ingestion and inhalation.

**Chronic and acute effects:**

Not known.

**DL 50(a.i.):**

-

**Carcinogenic:**

Not described.

**Reproduction:**

Not described.

## 12. ENVIRONMENTAL INFORMATION

**Contamination form and potential:**

This product is not classified as a Hazardous material.

*Persistence and Degradability:* Accumulation in the environment is not expected, the product is biodegradable.

*Mobility and Bioaccumulation:* The potential of mobility is high as the product dissolves and is miscible in water, therefore it will drain where ever the water goes.

**Effects on the environment:**Aquatic toxicity:

-

Toxicity to birds:

-

Toxicity to bees:

-

Toxicity to worms:

-

## 13. WASTE DISPOSAL CONSIDERATIONS

**Methods of elimination of the product:**

Refer to manufacturer/supplier for information on recovery/recycling. This material must be disposed of as hazardous waste. Avoid release to the environment. Do not empty into drains, dispose of this material at hazardous or special waste collection point.

**Packaging Elimination:**

Each container once is emptied in the spray tank, must be washed thoroughly three times with water jet spray and the contaminated water poured into the spray tank. Empty bottles should be disposed at hazardous or special waste collection point.

## 14. TRANSPORT REGULATIONS

**Special Precautions:**

It is forbidden its transport with foodstuffs, beverages and food or any other personnel stuff.

**Additional Information:**

**ADR/RID:** Class: *N/A*

Classification Code: *N/A*

Packing group: *N/A*

N° UN: *N/A*

Hazard identification number: *N/A*

Labels: *N/A*

Proper Shipping Name: *N/A*

**IMDG:** Class: *N/A*

Packaging group: *N/A*

N° UN: *N/A*

Marine Pollutant: *N/A*

Labels: *N/A*

Proper Shipping Name: *N/A*

Stowage and Segregation: *N/A*

## 15. PHYTOSANITARY REGULATIONS

**Symbols and Pictograms:**

*N/A*

**Phrases R:**

*N/A*

**Phrases S:**

S1/2: Keep locked up. Keep in a cool place.

S13: Keep away from food, drink and animal feeding stuffs

**Other regulations:**

Class A: "Heavy metals containment is below authorised levels for this classification.

Restricted use to Farmers and professional appliers.

## 16. OTHER INFORMATION OF INTEREST

**GLOSSARY:**

- CAS Chemical Abstracts Service.

--N.D.A.: No Data Available.

- DL50: Medium Lethal Dose

- *N/A*: No applicable

- CL50: Medium Lethal Concentration

-a.i.: active ingredient

- t.p.: technical product

- TLV: Threshold Limit Value

TWA: Time weight Average

-STEL: Short Time Exposure Limit

The above data has been repopulated on the basis of the best existing sources of information. The above information is believed to be correct, but does not claim to be all-inclusive and should be used only as a guide.

**Phrases R Section 2:**

*N/A*

**Medications respect to the last revision:**

This is the first edition of this Material Safety Data Sheet.