



# GREEK INDUSTRY OF HYDROLYZED PROTEIN LLP

This Safety Data Sheet is in accordance with Reg. 1272/2008/EC & Reg. 453/2010/EC

## 1: IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY

### 1.1. Product identifiers

Product name: **AMINO 16 (3-0-0)**

Brand: EVYP LLP

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

liquid fertilizer (3-0-0).

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

Company: EVYP LLP

Address: Road A5, Industrial Area of Thessaloniki, Sindos (57022)

Telephone: +30 2310542151

Fax: +30 2310541581

email: info@evyp.gr

### 1.4. Emergency telephone number

EVYP offices / QC manager: +30 2310795285 (working hours 08.00-16.00, Monday to Friday)

Greek poisonous centre: +302107793777

## 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

The product is not classified as dangerous according to CLP Regulation (Reg. 1272/2008/EC)

### 2.2. Label elements

Labeling according regulation 1272/2008/EC (CLP Regulation): --

Pictogram:--

Signal word:--

Hazard statement:--

Precautionary statement: P102

### 2.3. Other hazards

None

### 3: COMPOSITION/INFORMATION ON INGREDIENTS

The liquid fertilizer "Amino 16" is the result of the acidic hydrolysis of a protein rich plant origin material.

#### 3.1. Substances

Einecs/Elincs number	CAS number	IUPAC name	% w/w	Trade name	Labelling according Regulation (EC) No 1272/2008 [CLP]
--	--	--	<50	Amino acids derived from plant origin acid hydrolysis	--

(Reactive components do not exist after acid hydrolysis)

### 4: FIRST AID MEASURES

#### 4.1. Description of first aid measures

In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and if there is an irritation, a medical care is recommended
In case of skin contact	Wash off with soap and plenty of water
If inhaled	If a person remains in an area contaminated with vapors or fumes of the preparation (in case of fire), move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
If swallowed	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician. Never give anything by mouth to an unconscious person.

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

No data available

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

No data available

### 5: FIREFIGHTING MEASURES

#### 5.1. Extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Suitable extinguishing media: water spray, alcohol-resistant foam, dry chemical, or carbon dioxide. Special protective equipment for fire-fighters Wear self contained breathing apparatus for fire fighting if necessary [self-contained positive pressure breathing apparatus (SCBA)]. The equipment must fulfill the requirements of Directive 98/37/EC and Directive 94/9/EC. In case of fire, stand to a point where the fumes and gases from the fire can not affect you.

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

The preparation is not explosive or flammable. At high temperatures during a fire, may form oxides of carbon and nitrogen. Exposure to smoke in these gases can cause significant health problems.

#### 5.3. Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary. The equipment for firefighting must meet general requirements of Directive 98/37/EC and 94/9/EC. Firefighters uniforms and personal protective equipment, must be approved (see section 16).

## 6: ACCIDENTAL RELEASE MEASURES

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

The preparation is not flammable. However at high temperatures (e.g. in case of fire) hazardous vapors formed as described in Section 5. For this reason it is recommended to take personal precautions such as fire detection systems in warehouses, self-contained breathing apparatus for personal protection from the gases of combustion, marking points of water supply for the possibility of eye and / or skin wash.

### 6.2. Environmental precautions

This product is not hazardous to the environment and release shall not constitute a hazard to, plants, animals and humans.

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

There is no need to provide appropriate advice on how to contain a spill, or to clean up. In case of the product spill on plants undiluted, a dilution with water is recommended.

### 6.4. Reference to other sections

For disposal see section 13.

## 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.

Do not eat, drink and smoke in work areas. Wash hands after use. Remove protective equipment and working clothing before entering in eating areas

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

Store the product in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

### 7.3. Specific end use(s)

Use the product in accordance with the instructions given and the principles of the Good Agricultural Practices.

## 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

Nor national occupational exposure limit values or national biological limit values are mentioned. A chemical safety report is not required.

### 8.2. Exposure controls

Eye/face protection Tightly fitting safety goggles. Faceshield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate standards such as EN 166 (Code 3 : against drops and splashes of liquids)

Skin protection Handle with lattelx gloves

Body protection Complete suit protecting against chemicals,

Respiratory protection The product does not contain hazardous chemicals on health and safety. The product does not form dust during use. Respiratory personal protection equipment should be used in case of fumes from a fire. The equipment must meet the requirements of EN 149 and the filter requirements of EN 143

If swallowed Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician. Never give anything by mouth to an unconscious person.

## 9: PHYSICAL AND CHEMICAL PROPERTIES

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

Appearance Form:	Liquid
Colour:	brown to dark brown
Odour:	Characteristic odor of the process of hydrolysis of proteins
Odour Threshold:	no data available
pH	2.8 – 3.2
Melting point / freezing point	no data available
Initial boiling point and boiling range	100 °C
Flash point	not applicable
Evaporation rate	no data available
Flammability	not flammable
Upper/lower flammability or explosive limits	no data available
Vapour pressure	no data available
Vapour density	no data available
Relative density	1,2 g/cm <sup>3</sup> at 25 °C
Water solubility	100% soluble
Partition coefficient: n-octanol/water	no data available
Autoignition temperature	no data available
Decomposition temperature	no data available
Viscosity	no data available
Explosive properties	no data available
Oxidizing properties	no data available

### 9.2. Other information

Specific weight: 1.2g/ml at 25° C

## 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

No data available

### 10.2. Chemical stability

No data available

### 10.3. Possibility of hazardous reactions

No data available

#### 10.4. Conditions to avoid

Stores at high temperatures

#### 10.5. Incompatible materials

No data available

#### 10.6. Hazardous decomposition products

No hazardous decomposition products. During a fire hazardous gases may be formed (e.g. carbon oxides, nitrogen and sulphur oxides)

### 11: TOXICOLOGICAL INFORMATION

Acute toxicity	No data available
Irritation	No data available
Corrosivity	No data available
Sensitisation	No data available
Repeated dose toxicity	No data available
Carcinogenicity	No data available
Mutagenicity	No data available
Toxicity for reproduction	No data available

#### 11.1. Information on toxicological effects

No data available

### 12: ECOLOGICAL INFORMATION

#### 12.1. Toxicity

No data available

#### 12.2. Persistence and degradability

The product is degradable

#### 12.3. Bio accumulative potential

The product has not any bio accumulative potential

#### 12.4. Mobility in soil

The product is very soluble in water. Amino acids are absorbed by the plants directly.

#### 12.5. Results of PBT and vPvB assessment

No data available

#### 12.6. Other adverse effects

The product has not any harmful effects on the environment. It does not destroy the ozone layer and it does not contribute to the creation of smog.

### 13: DISPOSAL CONSIDERATIONS

#### 13.1. Waste treatment methods

The waste packaging management should be in compliance with national legislation. The product does not contain any toxic element for the environment.

## 14: TRANSPORT INFORMATION

This product is not classified as hazardous and therefore no special precautions for handling is needed.

### 14.1. UN number

ADR/RID: - IMDG: - IATA: -

### 14.2. UN proper shipping name

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

### 14.3. Transport hazard class (es)

ADR/RID: - IMDG: - IATA: -

### 14.4. Packing group

ADR/RID: - IMDG: - IATA: -

### 14.5. Environmental hazards

ADR/RID: no IMDG Marine pollutant: no IATA: no

### 14.6. Special precautions for user

No data available

### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

No data available

## 15: REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1272/2008 EC & 453/2010/EC

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

No data available

### 15.2. Chemical safety assessment

No data available

## 16: OTHER INFORMATION

- Text of H-code(s) and R-phrase(s) mentioned in Section 3  
P102 Keep out of reach of children.

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions