

Surety™

Edition 1

Last update: 09/18/2019

SECTION 1: IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND THE COMPANY**1.1. Product identification**Product name: **Surety™ Soil****1.2. Relevant identified uses of the substance or mixture and uses advised****against** Category: Fertilizer with amino acids 4.1.02 (RD506/2013) **1.3. Supplier data**Company: ALGAENERGY, N.A. Inc.
3341 Regent Blvd., Ste 130-200
Irving, TX 75063

Phone number: 1-877-254-2009

Fax:

E-mail: info@algaenergy.es**1.4. Emergency telephone number**

Emergency telephone number : CHEMTREC: 1-800-424-9300

SECTION 2: IDENTIFICATION OF DANGERS**2.1. According to the Fertilizers Regulation and related**

P102 – Keep out of reach of children

P270 – Do not eat, drink or smoke during its usage

2.2. Heavy metals clasification

A Class

2.3. Other dangers

Unknown.

SECTION 3: COMPOSITION (% IN WEIGHT), INFORMATION ABOUT ITS COMPONENTS**3.1. Hydrolysate of microalgae proteins**

Composition	(% in weight)
Free amino acids	5.1
Total Nitrogen	3.0
P ₂ O ₅	1.5
K ₂ O	1.5

SECTION 4: FIRST AID**4.1. Description of first aid**

General recommendations: To have the product container, label or Material Safety Data Sheet handy when calling the emergency service or seeing a doctor.

Contact with the skin: Wash immediately with plenty of water.

Contact with the eyes: Rinse immediately with plenty of water keeping eyelids open to ensure adequate flushing and consult a doctor.

Ingestion: Rinse mouth with plenty of water and consult a doctor.

4.2. Main symptoms and effects, both acute and delayed

Symptoms: Neither particular symptoms nor effects have been identified.

4.3. Indication of medical care and special treatments which are to be dispensed immediately

Medical consultancy: Treat symptomatically.

SECTION 5: FIRE FIGHTING MEASURES

5.1. Means of fire extinction

Means of fire extinction: Bear in mind the materials present nearby. In the case of fire, water, foam, dry chemicals or carbon dioxide can be used.

Inappropriate means of extinction: Unknown.

SECTION 6: MEASURES IN CASE OF ACCIDENTAL SPILL

6.1. Personal precautions

Comply with the security and health policies of the center as well as with the safety recommendations, wearing protective gloves, safety glasses, protective clothing and good hygiene practices.

6.2. Precautions relative to the environment

Spills and leaks: Absorb spill with inert material.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for a safe handling

Personal protection measures: Comply with the recommendations and safety practices in accordance with the good industrial and personal hygiene practices and good work practices, using gloves, goggles and suitable protective clothing.

No specific recommendations if the product is used correctly.

7.2. Safe storage conditions

Store in the original container, properly closed, in a cool and adequate place to keep the original product properties intact. Keep out of reach of children and away from food, drink and feed.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**8.1. Control parameters**

General provisions: Use adequate protection.
No limiting environmental values have been set for any of the product components.
No limiting biological values have been set for any of the product components.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1. Information about basic physical and chemical properties**

Forma:	Liquid
Color:	Brown
Smell:	Characteristic
pH:	4.0
Odor threshold:	No data available
Melting point/range:	No data available
Boiling point/range:	No data available
Inflammation point/range:	No data available
Evaporation rate:	No data available
Explosive limits:	No data available
Vapor pressure:	No data available
Density:	1.1 g/ml (25 °C)
Water solubility (20 °C):	Completely miscible in water
Partition coefficient n-octanol/water:	No data available
Auto-inflammation temperature:	No data available
Thermal decomposition:	No data available
Dynamic viscosity:	No data available

Kinematic viscosity: No data available

Explosive properties: No data available

Oxidizing properties: No data available

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

The product does not present hazards due to reactivity.

10.2. Chemical stability

The product is stable under normal storage conditions.

10.3. Possibility of dangerous reactions

Unknown.

SECTION 11: TOXICOLOGICAL INFORMATION

Inhalation: No significant effects or critical hazards are known.

Ingestion: No significant effects or critical hazards are known.

Contact with skin: No significant effects or critical hazards are known.

Contact with eyes: No significant effects or critical hazards are known.

Chronic effects: No significant effects or critical hazards are known.

Cardiogenesis: No significant effects or critical hazards are known.

Mutagenesis: No significant effects or critical hazards are known.

Developmental effects: No significant effects or critical hazards are known.

Fertility effects: No significant effects or critical hazards are known.

SECTION 12: ECOLOGICAL INFORMATION**12.1. Toxicity**

Aquatic environment: Not hazardous to the aquatic environment.

Non-aquatic environment: Not hazardous to the non-aquatic environment.

SECTION 13: CONSIDERATIONS RELATED TO THE PRODUCT'S DISPOSAL

Avoid or minimize the generation of waste whenever possible. Avoid dispersal of spilled material. The disposal of this product, its solutions and any derived by-product should at all times comply with the requirements of the legislation related to the environmental protection and waste disposal, as well as comply with all requirements of the local authorities.

The relevant EU directives and national, regional and local regulations must conform to the European Waste Catalogue. The holder of such waste must assign a specific waste code according to the industrial sector and treat it according to the European Waste Catalogue. It is recommended that the classification is done with the person responsible for the disposal of waste.

SECTION 14: INFORMATION RELATED TO TRANSPORT**14.1. Road transport**

Class ADR/RID: Not applicable.

14.2. Maritime Transport

Class IMDG: Not applicable.

14.3. Air Transport

Class IATA-DGR: Not applicable.

SECTION 15: REGULATORY INFORMATION

This product complies with the Spanish national legislation concerning the manufacture and labeling on fertilizers: Royal Decree 506/2013, of June 28th.

SECTION 16: OTHER INFORMATION

16.1. Full text of other abbreviations

ADR:	European Agreement Concerning the International Carriage of Dangerous Goods by Road	RID:	Regulations concerning the international Carriage of Dangerous Good by Rail
IMDG:	International Maritime Code for Dangerous Goods	IATA-DGR:	International Air Transport Association

16.2. Notice to the reader

The information provided in this Material Safety Data Sheet, is correct that at the date of publication. The information and recommendations contained therein, are intended as a guide for safe handling, use, processing, storage, transportation, disposal and release, and should not be considered a warranty or quality specification. The information provided relates only to the specific material and may not be valid for such material used in combination with other materials or in any process, unless it is specified in the text.

Changes since the last version will be indicated. This version replaces all previous versions.