

SAFETY DATA SHEET

Material Safety Data Sheet

Safety Data Sheet according to regulation No 1907/2006/EU, as it has been adjusted and is currently in vigor.

1 – Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name: FAST GROW 11-0-0 +15.5MgO (MGN)

Catalogue No.: PR.116.007

1.2 Relevant identified uses of the substance or mixture and non-indicated uses

Identified uses: Fertilizer

1.3 Details of the supplier of the safety data sheet

Company Identity: DEMIRTZOGLU & ASSOCIATES SA

Address: 1 Ermou & Theotokopoulou str.,
ZIP. 144 52, Metamorphosis

Telephone: +30 210 284 5891
email : info@humofert.gr

1.4 Emergency call number:

Poison Center num: +30 210 7793777

2 – Hazards identification

2.1 Classification of the substance or mixture

According to Regulation (EC) No 1272/2008 (CLP):

According to Regulation (EC) No 1272/2008 (CLP):

Serious eye irritation (Category 2), H319

Harmful if swallowed, H302

2.2 Labeling

According to Regulation (EC) No 1272/2008 (CLP):

Label elements



Pictogram:

GHS07

Signal Word: **CAUTION**

Hazard Statements: H319: Causes serious eye irritation.
H302: Harmful if swallowed

Issue date: 04/12/2019

1st edition

Precautionary statements- Prevention

P264: Wash ... thoroughly after handling.

P270: Do not eat, drink or smoke when using this product.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statements- Response

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.

Other information:

“It contains: Magnesium Nitrate Hexahydrate”

2.3 Other hazards

According to Regulation (EC) No 1272/2008 (CLP):

Not known.

3 - Composition / Information on ingredients

3.1 Substance

4 – First aid measures

4.1 First aids

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If symptoms persist, seek medical advice.

Swallowing: Drink a lot of water. Do not induce vomiting. If symptoms persist, seek medical advice. Immediately call a POISON CENTER or doctor/physician.

Skin contact: Wash with soap and plenty of water. Remove immediately all contaminated clothing. Seek medical advice if necessary.

Eye contact: Rinse with water for about 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If symptoms persist, seek medical advice.

4.2 Most significant symptoms and impacts, acute or subsequent

Symptoms: Not known.

4.3 Indication of any required immediate medical treatment and special cure

Treat symptomatically. No specific antidote is known.

5 – Firefighting measures

5.1 Extinguishing means

Suitable extinguishing means: Water (spray), dry powder, foam.

5.2 Special hazards arising from the substance or mixture

In case of fire harmful gases may be emitted, such as nitrogen oxides and magnesium oxides.

5.3 Recommendations to the firemen

Issue date: 04/12/2019

1st edition

In case of fire put on a suitable fire-extinguishing-protective equipment and a self-contained breathing apparatus.

Additional information: This product is not combustible. During fire extinction take into consideration the local circumstances and the surrounding environment. Contaminated fire-extinguishing water must be discarded according to the official regulations.

6 – Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions: It is recommended to use protective gloves (protection according to EN374). Use work uniform. Avoid contact with skin, eyes and mouth.

6.2 Environmental Precautions

Relevant dust-related precautions are required.

6.3 Methods and materials for restriction and cleaning

Methods for cleaning up: If product is spilled, clean immediately with a shovel or broom. Avoid dust cloud formation. Wipe under a mist of water to reduce the potential for dust. In case of skin contact, wash skin with soap and water. Store waste in suitable and closed containers for disposal.

6.4 Reference to other sections

More information in sections: 7 for handling, 8 for personal protection and 13 for disposal.

7 – Handling and Storage

7.1 Protections for safe handling

Recommendation for safe handling: Avoid contact with eyes and skin. Handle in accordance with good industrial hygiene and safety practice.

Recommendation for fire prevention and explosion protection: No special precautions are required for fire prevention.

7.2 Safe storage conditions, including possible non-compatibilities

Storage and packaging requirements: Store the product with its label on it, tightly closed. Store the product in a cool, dry and well-ventilated place. It must be stored separately from food. It is not a hazardous product if transferred according to the proper rules of transport (P405), (P403+P233).

Storage recommendation: the product should be stored separately from food.

Other clues: It is not a hazardous product if transferred according to the proper rules of transport.

8 – Exposure Control

8.1 Control parameters

Components with occupational exposure limit values

Recommended occupational and consumer exposure limit values (according to CSA).

Exposure pattern	Derived No Effect Level DNEL	
	Workers	General population
Oral	N/A	12.5mg/kg bw/day
Dermal	20,8mg/kg bw/day	12.5mg/kg bw/day
Inhalation	36.7 mg/m ³	10.9 mg/m ³

8.2. Exposure controls

Individual protection measures:

Eyes/face protection: Use appropriate protective glasses (EN166).

Hands protection: It is recommended to use appropriate protective gloves when using the product (The selected protective gloves must satisfy the specifications of EU Directive 89/689/EEC and the standard EN 374 deriving from it).

Respiratory system protection: Be sure to work in well ventilated area. In case inhalable dust is formed, you should use a dust protective filter mask (EN 143 or 149, type P1 or FFP1).

Personal hygiene measures: Avoid contact with eyes, skin and clothing. The use of self-contained work uniform is recommended. It is not allowed to drink or smoke or use smoke in the working area. Work clothes should be stored away from foods and drinks. Handle in accordance with good industrial hygiene and safety practice.

9 – Physical and chemical properties

9.1 Basic physical and chemical properties information

Form:	Flakes or crystal prills
Color:	White or yellowish, greenish
Odor:	Odorless
pH (5% w/w)	4-9
Boiling point:	>330°C
Melting point:	89°C
Flammability temperature:	Not flammable
Flash point:	>>
Vaporization rate:	It does not evaporate
Flammability:	Not combustible
Lower explosion limit:	Not applicable
Upper explosion limit:	>>
Vapour pressure:	<0,001kPa (<0.01mmHg) 20°C
Density:	1,46g/ml (25°C)
Solubility:	125 gr in 100gr of water 20°C
Oxidizing properties:	Not oxidizing
Viscosity:	No information available

9.2 Other information

10 – Stability and reactivity

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

10.1 Reactivity

No specific test data on product reactivity are available.

10.2 Chemical Stability

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

10.3 Hazardous reactions possibility

Not known.

10.4 Conditions to avoid

High humidity and temperature.

10.5 Not compatible materials

Reducing agents, organic materials and alkalis.

10.6 Hazardous decomposition products

In case of fire harmful nitrogen oxides and magnesium oxides may be formed.

11 – Toxicological information

11.1 Information on toxicological effects

The product has been tested. The product is non-irritating, corrosive, does not cause acute or chronic toxicity:

Oral LD50 (rat) > 2000mg / Kg body weight (EU Method B1)

LD50 by skin (rat) 52000mg / Kg >> >> (EU Method B3)

12 – Ecological information

12.1 Toxicity

Evaluation of the toxicity in aquatic environments: The product has no toxic effect. These statements is the result of tests.

LC50 (fish) = 1378mg / lt

EC50 / LC50 (in daphias and other aquatic invertebrates) 490mg / lt

EC50 / LC50 (in aquatic algae plants) > 1700mg / lt

Predicted effect concentration PNEC (fresh water) 0.45mg / lt

Predicted effect concentration PNEC (sea water) 0.045mg / lt

12.2 Persistence and degradability

The product has been tested. It does not show persistence. It is biodegradable.

12.3 Bioaccumulation potential

The product has been tested. It does not cause bioaccumulation in organisms

Log Pow <1

12.5 Results of PBT and vPvB assessment

The product does not meet the criteria in order to be classified as PBTs (persistent, bioaccumulative and toxic) and vPvBs (very persistent and very bioaccumulative), since the single ingredients do not meet the criteria.

Issue date: 04/12/2019

1st edition

The product has been tested. The product does not meet the criteria for PBT (persistent / bioaccumulative / toxic) and vPvBs (very persistent and very bioaccumulative).

12.6 Other negative effects

The product has been tested. The product does not damage the ozone layer.

13 – Information regarding disposal

13.1 Waste handling methods

Disposal of chemical waste must be in accordance with the Waste Directive 2008/98 / EC, as well as the relevant national regulations.

The product packaging must be disposed of in accordance with the specific regulations of each country or transported to a packaging return system (P501).

Residual waste/unused products: Where possible, recycling is preferred over disposal or incineration. Waste collection and disposal at an approved disposal facility.

Dispose of in accordance with local regulations.

Contaminated packaging: Dispose of in accordance with local regulations.

14 – Transform information

	14.1. UN Number	14.2. Familiar expediti on name accordin g UN	14.3. Danger order/orders during transportatio n	14.4. Packaging group	14.5. Environmental hazards
Land transport ADR /RID	-	-	-	-	-
Sea transport ADN	-	-	-	-	-
Sea transport IMDG	-	-	-	-	-
Air transport IATA/ICAO	-	-	-	-	-

14.6 Special precautions for the user

Not known.

14.7 Transportation of bulk material according to Appendix II of MARPOL contract 73/78 and of code IBC.

Not applicable.

15 – Regulatory information

This MSDS complies with the Regulation No 1907/2006/EU (REACH) & the Regulation (EU) No.1272/2008 [CLP].

15.1 Regulations/ legislation concerning safety, health and environment about the substance or the mixture

There is no information available.

15.2 Chemical safety evaluation

There has not been conducted a chemical safety evaluation by the supplier according to Regulation No 1907/2006/EU (REACH).

16 – Other information

The Safety data sheet should be used in combination with the technical documentation of the product. The Safety data sheet is prepared based on information collected up to the day that the Safety Data Sheet is written. It is a guide for the safe use, distribution, storage and transport of the product and it does not intend to provide any warning or detailed description. This information is relevant only for the product. If the product is combined with other material or in procedures other than the ones described this safety data sheet may not be applicable. The Safety data sheet meets the risk criteria of the Regulations of the Tested Products according to the directives of the European Union.