

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 15,5-0-0+26CaO (CAN)

Catalogue No.: PR.116.006

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):

Acute toxicity (oral) (Category 4), H302

Serious eye damage (Category 1), H318

2.2 Labeling

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

Label elements



Pictogram:

GHS05

GHS07

Signal Word: **DANGER**

Hazard Statements

H302: Harmful if swallowed.

H318: Causes serious eye damage.

Precautionary statements- Prevention

Issue date: 04/12/2019

1st edition

P264: Wash ... thoroughly after handling.

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

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

Precautionary statements- Response

P301 + P312: IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell.

P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

Precautionary statements- Disposal

P501: Dispose of contents/container to ... in accordance with local/regional/national/international regulation (to be specified).

Other information:

“It contains: **Nitric Acid, Ammonium Calcium Salt**

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 – Fire fighting 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.

Issue date: 04/12/2019

1st edition

5.3 Recommendations to the firemen

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: Avoid contact with skin, eyes and mouth. Avoid dust formation. Avoid the evacuation of dust/smoke/gas/fog/vapors/spray. (Personal protection see section 8).

6.2 Environmental Precautions

Restrain spreading of contaminated water/fire-extinction water. Do not allow it to enter the sewage system and contaminate superficial and underground waters.

6.3 Methods and materials for restriction and cleaning

Methods for cleaning up: In case of leakage absorb with a suitable, inactive absorbent material. Sweep. Transfer the waste in suitable (labeled) containers for obliteration. Clean well the whole area with plenty of water.

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. Make sure that the area is ventilated efficiently, especially when indoors. Avoid contact with skin, eyes and clothing. Take off contaminated clothes before using them again. Take care of the precaution measures against static disposals. Avoid dust formation. Do not inhale occurring dust. Do not eat, drink or smoke when using this product. Wash your hands thoroughly after handling. Use self protection measures (section 8).

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.

Issue date: 04/12/2019

1st edition

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

Not known occupational exposure limit values. The general limit value for dust and the suggested limit values for exposure should be obeyed (according to CSA standards).

8.2 Exposure controls

Measures for the engineers

Use local ventilation or other control methods in order to keep air levels below the suggested exposure limits. If the activity of the user provoke the formation of dust, smoke or fog, use ventilation in order to keep the exposure to atmospheric contaminants below the exposure limit.

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.

Environmental exposure controls: Prevent the material from entering the sewage system.

9 – Physical and chemical properties

9.1 Basic physical and chemical properties information

Form :	Solid
Color :	White
Odor :	Almost odorless
pH:	Not applicable
Boiling point :	Degrades at >210 °C
Melting point:	<400 °C
Flammability temperature:	Not flammable
Flash point:	>>
Vaporization rate:	Not applicable
Flammability:	Not combustible
Lower explosion limit:	Not applicable

Issue date: 04/12/2019

1st edition

Upper explosion limit :	>>
Vapour pressure:	>>
Density (20°C):	2.05 g/ml
Solubility (25°C):	100% soluble in water
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

Stable product

10.2 Chemical Stability

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

10.3 Hazardous reactions possibility

Not known under the recommended conditions.

10.4 Conditions to avoid

Temperature, fire, incompatible materials.

10.5 Not compatible materials

Strong reducing agents, combustible materials, metals, strong acids.

10.6 Hazardous decomposition products

In case of fire harmful nitrogen oxides, carbon oxides and metals oxides may be emitted.

11 – Toxicological information

11.1 Information about toxicological effects

Acute toxicity

Nitric acid, ammonium calcium salt

LD50 (dermal) rat: >2000mg/kg bw

LD50 (oral) rat: 300 — 2000 mg/kg bw

Corrosion / irritation:

Inhalation: No significant effects or critical dangers are known.

Swallowing: No significant effects or critical dangers are known.

Skin contact: According to the results of the study about skin corrosion on rabbits, it has been concluded that Nitric acid, ammonium calcium salt is not classified about skin corrosion according to EU Directive 67/548/EEC.

Eye contact: It provokes serious eye damage.

Sensitization: According to experimental results, Nitric acid, ammonium calcium salt does not provoke skin irritation and there is no obligation for classification in this category according to the Regulation (EC) No 1272/2008 (CLP).

Long-term toxicity

Issue date: 04/12/2019

1st edition

Carcinogenicity: It is not considered responsible for carcinogenicity to human. Nitric acid, ammonium calcium salt belongs to Group 2A.

Germ cell mutagenicity: According to the experimental results of reverse mutagenicity test, Nitric acid, ammonium calcium salt is not mutagenic for *Salmonella typhimurium* and is not mutagenic for *Escherichia coli*.

Reproductive toxicity:

NOAEL > 1.500 mg / kg / day for reproductive toxicity

STOT-single exposure:

No available information

STOT-repeated exposure:

No available information

Aspiration hazard:

No available information

12 – Ecological information

12.1 Toxicity

Evaluation of the toxicity in aquatic environments:

Toxicity on fish: (LC50/48h): 447 mg/L

Toxicity on daphnias and other aquatic invertebrates: (LC50/EC50/48h): >100mg/L

Toxicity on aquatic plants: (EC50/72h): 100 mg/L (NOEC)

Predicted Concentrations

PNEC fresh water: 0.45mg/l

PNEC marine water: 0.045mg/l

12.2 Persistence and degradability

No available information

12.3 Bioaccumulation potential

No available information. No bioaccumulation is expected in organisms.

12.4 Mobility in the soil

No available information

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.

12.6 Other negative effects

The product does not contain substances which are referred in the regulation (EU) 1005/2009 as relevant to the substances which destroy the ozone layer.

13 – Information regarding disposal

13.1 Waste handling methods

Product: Chemical waste material must be disposed according to the directive 2008/98/EC about wastes as well as to the relative national regulations.

Packages with remaining product: Packages must be disposed according to the special regulations of each country or must be returned to packages recycling entity (P501).

14 – Transform information

	14.1. UN Number	14.2. Familiar expedition name according UN	14.3. Danger order/orders during transportation	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.