

Gold Foundation

Safety Data Sheet



According to Federal Register/Vol. 77, No. 58/Monday, March 26, 2012/Rules and Regulations

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND COMPANY

1.1 PRODUCT IDENTIFIERS

Product Name: Gold Foundation
Product Number: FBS 1105
Recommended Use: Fertilizer

1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

Uses of the Substance/Mixture: Various agricultural applications

1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

FBSciences, Inc.
153 N. Main St., Ste. 100
Collierville, TN 38017 USA
1-901-221-1200

1.4 EMERGENCY TELEPHONE NUMBER

Emergency Number: CHEMTREC 1-800-424-9300
24 Hour Emergency HAZMAT Response: 1-800-229-5252
EPA National Response Center: 1-800-424-8802

SECTION 2: HAZARDS IDENTIFICATION

2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Classification (GHS-US): This chemical mixture is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification (GHS-US)

Health Hazard: 4 H302, Acute Toxicity (oral)

Health Hazard: 1 H318, Serious eye damage/irritation

2.2 LABEL ELEMENTS

Pictograms



Signal word: Danger

Hazard statement(s):

H302

Harmful if swallowed

H318

Causes serious eye damage

Precautionary Statements:

P280

Wear eye or face protection.

P270

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

P264

Wash hands thoroughly after handling.

P301+P312+P330

IF SWALLOWED: Rinse mouth. Call a POISON CENTER or physician if you feel unwell.

P305+P351-P338+P310

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing. Immediately call a POISON CENTER or physician.

P501

Dispose of contents/container in accordance with local/national regulations.

2.3 OTHER HAZARDS NOT CLASSIFIED (HNOC) OR NOT COVERED BY GHS

None

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 SUBSTANCES

<u>Material</u>	<u>% by Weight</u>	<u>CAS No.</u>
Nitric acid, ammonium calcium salt	15-35%*	15245-12-2
Ammonium nitrate	2-9%*	6481-52-2

* Any concentration shown as a range is to protect confidentiality or is due to batch variation.

SECTION 4: FIRST AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES

Eye contact: Flush eyes with water immediately with plenty of water for at least 15 minutes.

Obtain medical attention if irritation persists.

Following eye contact: Obtain medical attention if irritation persists.

In case of skin contact: Wash off with plenty of water. If prolonged contact occurs, rinse thoroughly with soap and water.

If Inhaled: Move to fresh air: Obtain medical attention immediately if breathing becomes difficult.

If ingested: Do not induce vomiting. Rinse mouth with water. Obtain medical attention.

4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Symptoms/effects: None reasonably foreseeable

4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Notes for the doctor: Treat symptomatically

SECTION 5: FIREFIGHTING MEASURES

5.1 EXTINGUISHING MEDIA

Suitable extinguishing media: Use water, dry chemical, foam, or CO2 extinguishing media.

Unsuitable extinguishing media: No information available.

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

Fire hazard: Not flammable.

Hazardous combustion products: Product is non-reactive under normal conditions.

5.3 ADVICE FOR FIRE FIGHTERS

Do not attempt to take action without suitable protective equipment: self-contained breathing apparatus and complete protective clothing.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

For non-emergency personnel: Ensure adequate ventilation. Use personal protective equipment. Avoid contact with eyes or skin.

Protective equipment for emergency responders: Do not attempt to take action without suitable protective equipment. For further information, see section 8 Exposure controls/personal protection.

6.2 ENVIRONMENTAL PRECAUTIONS

Avoid uncontrolled release into the environment.

6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

For containment: Store in original container.

For cleaning up: Take up liquid spill in absorbent material.

SECTION 7: HANDLING AND STORAGE

Handling: Wear personal protective equipment. Ensure adequate ventilation. Avoid contact with skin or eyes. Do not ingest.

Storage: Keep out of reach of children. Do not contaminate water, food, or feed by storage or disposal. Do not store below 40°F (5°C). Keep from freezing. Keep out of direct sunlight. Store away from strong acids or strong bases.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 CONTROL PARAMETERS

No additional information available.

8.2 EXPOSURE CONTROLS

Environmental exposure controls: Avoid uncontrolled release to the environment.

8.2.1 APPROPRIATE ENGINEERING CONTROLS

Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location.

8.2.2 PERSONAL PROTECTIVE EQUIPMENT

Hand protection: Protective gloves.

Eye protection: Safety glasses.

Skin and body protection: Wear suitable protective clothing.

Respiratory protection: Follow the OSHA respirator regulations found in 29 CFR 1910.134

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Color:	Light brown to yellow/gold
Odor:	No odor
Vapor Pressure:	Greater than 1.0 @ 100°C
Vapor Density:	(Air = 1) Not Determined.
pH:	Not available.
Relative Density:	Not available.

Melting Point:	Not available.
Freezing Point:	0°C
Solubility in Water:	Complete
Solubility in alcohols:	N/A
Boiling Point:	100°C
Flash Point & Method:	Non-flammable
Evaporation Rate:	Non-volatile
Flammability:	Non-flammable
Flammable Limits:	Not Determined.
LEL:	Not Determined.
UEL:	Not Determined.
Auto-ignition Temperature:	Not Determined.
Decomposition Temperature:	Not Determined.
Viscosity:	Not Determined.

9.2 OTHER INFORMATION

No other information.

SECTION 10: STABILITY AND REACTIVITY

10.1 REACTIVITY

The product is non-reactive under normal conditions of use, storage, and transport.

10.2 CHEMICAL STABILITY

Stable under normal conditions.

10.3 POSSIBILITY OF HAZARDOUS REACTIONS

No dangerous reactions known under normal conditions of use.

10.4 CONDITIONS TO AVOID

None under recommended storage and handling conditions (see section 7).

10.5 INCOMPATIBLE MATERIALS

None known.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS

No additional information available.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

Product Information

Component information

<u>Component</u>	<u>LD50 Oral</u>	<u>LD50 Dermal</u>	<u>LC50 Inhalation</u>
Nitric acid, ammonium calcium salt	>2000 mg/kg (rat)	Not Determined	Not Determined
Ammonium nitrate	2217 mg/kg (rat)	Not Determined.	>88.8 mg/L (rat) 4hr

Toxicologically Synergistic Products: No information available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Acute

Likely Routes of Exposure:	Skin, Eye, Ingestion
Acute Oral Toxicity:	No specific data
Acute Dermal Toxicity:	No specific data
Acute Inhalation:	No specific data
Eye Irritation:	Causes serious eye damage
Skin Sensitization:	No specific data

Mutagenic Potential: None observed

Reproductive Hazard Potential: None observed

Chronic/Subchronic Toxicity Studies: None observed

Carcinogenic Potential: None observed

Other Toxicity Information: Not available

Toxicity of Other Components: Not available

SECTION 12: ECOLOGICAL INFORMATION

12.1 TOXICITY

Ecotoxicity: Data not available. Do not empty into drains.

Persistence and Degradability: No data is available on the degradability of this product.

Bioaccumulation/ Accumulation: This product is not bioaccumulative.

Mobility: No information available.

Aquatic Organisms Toxicity: No information available.

Avian Organisms Toxicity: No information available.

NO INFORMATION AVAILABLE. SECTION 13: DISPOSAL CONSIDERATIONS

13.1 WASTE TREATMENT METHODS

Disposal: Dispose of in an approved disposal facility in accordance with all municipal, provincial, and federal regulations.

Container Disposal: Non-refillable container. Do not reuse or refill this container. Triple rinse (or equivalent) and offer for recycling or reconditioning, or puncture and dispose in a sanitary landfill, or incineration, or, if allowed by State and local authorities, by burning. If burned stay out of smoke. Contact the nearest State Pesticide or Environmental control Agency, or the Hazardous Waste representative at the nearest EPA regional office for guidance.

SECTION 14: TRANSPORT INFORMATION

UN Number: Not regulated by DOT, IATA or IMDG

UN Proper Shipping Name: Not applicable

DOT Classification: Not applicable; no label or placard required

B/L Freight Classification: Not regulated

International Transportation: Not applicable

SECTION 15: REGULATORY INFORMATION

15.1 NATIONAL REGULATIONS

SARA 302 Components: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components:

Component	CAS no	Weight %	SARA 313 threshold values%
Ammonium nitrate	6484-52-2	>9	1.0%

SARA 311/312 Hazards: See above

Massachusetts Right To Know Components: The following components are listed:

Ammonium nitrate CAS no: 6484-52-2

Pennsylvania Right To Know Components: The following components are listed:

Ammonium nitrate CAS no: 6484-52-2

New Jersey Right To Know Components: The following components are listed:

Ammonium nitrate CAS no: 6484-52-2

California Prop. 65 Components: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

15.2 INTERNATIONAL REGULATIONS

Canada: No additional information available.

EU Regulations: No additional information available.

SECTION 16: OTHER INFORMATION

HAZARD CLASSIFICATION (0 minimal, 1 slight, 2 moderate, 3 serious, 4 severe)

NFPA: HEALTH 0 FIRE 0 REACTIVITY 0

The directions for use of this product are believed to be adequate and must be followed carefully. The use of this product is beyond the control of the manufacturer, and, therefore, to the extent consistent with applicable law, no warranty, representation, or guarantee of any kind, expressed or implied, is made as to the effects of such use or any results obtained if not used in accordance with printed directions and established safe practice or if unusual or extraordinary weather conditions occur. To the extent consistent with applicable law, the buyer's exclusive remedy and manufacturer's or seller's exclusive liability in tort or otherwise, shall be limited, at the manufacturer's option, to replacement of, or the repayment of the purchase price for, the quantity of product with respect to which damages are claimed.

The information and recommendations contained herein are based upon data believed to be correct. However, there is no guarantee or warranty of any kind expressed or implied made with respect to the information contained herein.