



## 1. IDENTIFICATION

Product Name: **FB-46G**  
Product Type: Solid granules  
Recommended /Restrictions of use: Fertilizer Micronutrient Additive  
Supplier's Details: Frit Industries Inc  
PO Box 1589  
Ozark, AL 36361-1589  
334-774-2515

Emergency contact number:  
Chemical Emergencies - 800-535-5053  
Medical/Handling Emergencies - INFOTRAC  
800-535-5053 USA 352-323-3500 International

## 2. HAZARDS IDENTIFICATION

Hazard Classification: This product does not meet the criterion to be classified as dangerous with accordance to The Globally Harmonized System of Classification and Labelling of Chemicals (GHS).

Signal word: Not Applicable

Hazard statements: None

Hazard pictograms:



Precautionary statements:  
Prevention Keep out of reach of children.  
Do not handle until all safety precautions have been read and understood.  
Avoid breathing dust  
Do not get in eyes, on skin, or clothing  
Wash thoroughly after handling  
Do not eat, drink, or smoke when using product  
Wear protective gloves/protective clothing/eye protection, face protection.

Other hazards: None identified.

Other hazards not contributing to the classification: Spill area may be slippery.

Unknown components with acute toxicity: None.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name/component	CAS#	Concentration
Ulexite (Double Sodium and Calcium Borate)	1319-33-1	> 98 - < 100%



## 4. FIRST-AID MEASURES

### Description of first aid measures:

Eye Contact --If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
Skin Contact - If on skin: Wash with plenty of water.  
Inhalation -- If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
Ingestion -- If ingested: Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell.  
Indication of any immediate medical attention and special treatment needed: No additional information available.

## 5. FIRE-FIGHTING MEASURES

### Extinguishing media:

Suitable extinguishing media: Water fog, foam or spray, dry chemical, carbon dioxide, sand  
Unsuitable extinguishing media: None  
Special hazards arising from the substance or mixture: Material is not combustible. Product packaging is not self-ignitable, but may support combustion.

### Advice for firefighters:

Firefighting instructions: Use extinguishing media appropriate for the surrounding materials.  
Protection during firefighting: Wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.  
Other information: Do not allow run-off from fire-fighting to enter drains or water courses.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment, and emergency procedures:

Use protective equipment to prevent contact with skin and eyes or inhalation of dust.  
Use site specific emergency procedures if product is released. Prevent entry to sewers and public surface waters per site specific containment procedures.

### Methods and material for containment and cleaning up:

Use mechanical means. Store material in suitable containers for recycle or disposal.  
Minimize dust generation.

## 7. HANDLING AND STORAGE

Precaution for safe handling: Avoid contact with skin and eyes. After handling, wash hands thoroughly with soap and water. Avoid generating and breathing dust. Wash before eating and drinking. Handle product away from sewers, surface and underground water and human consumption water sources.

Safe Storage conditions: Store in a dry, cool, and well-ventilated area. Protect from weather.  
Incompatible materials: Strong alkaline or acid compounds.



## 8. EXPOSURE CONTROL/PERSONAL PROTECTION

Exposure limits are listed below, if they exist:

Component	Regulation	Type of listing	Value/Notation
Dust – inhalable particles	ACGIH	TWA	10 mg/m <sup>3</sup>
Dust – respirable particles	OSHA	PEL	15 mg/m <sup>3</sup>

Engineering controls: Use adequate ventilation to prevent exposure. Respect the local regulations on dust (total and respiratory)

Personal protective measures:

Hand protection: Wear suitable protective gloves to prevent direct exposure.  
 Eye protection: Safety glasses with side shields or tight-fitting goggles. Provide eyewash in operational areas.  
 Skin and body protection: Wear long sleeved clothing or other suitable clothing to prevent skin exposure.  
 Respiratory protection: Where dust is generated and appropriate engineering controls cannot maintain acceptable levels, use appropriate respiratory protection equipment to prevent inhalation of materials.  
 Special requirements for PPE, protective clothing or respirators: No specialty PPE requirements beyond those previously identified.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Granular 2-4 mm	Vapor pressure:	NA
Color:	Light Gray	Vapor density:	NA
Odor:	Odorless	Relative density	2.50
Odor threshold:	NA	Solubility (22 °C):	2.50-3.50 g/l
pH at 20°C	8.5-9.5 (saturated solution)	Partition coefficient:	NA
Melting point:	810°C	Auto ignition temp:	NA
Initial boiling point/range:	NA	Decomposition temp:	NA
Flashpoint:	NA	Viscosity:	NA
Evaporation rate:	NA		
Flammability (solid gas):	NA		
Upper/lower flammability or explosive limits:	NA		

Other information: No additional information.

## 10. STABILITY AND REACTIVITY

Reactivity: This product is stable under normal conditions of use, storage and transport.

Chemical stability: This product is stable under normal usage, storage, and transportation conditions.

Other:

Hazardous reactions: None determined.  
 Conditions to avoid: Avoid exposure to humidity during storage and transport. Avoid contact with strong acids such as sulfuric and nitric acid. The product will decompose and there will be the formation of boric acid.

Incompatible materials: It is incompatible with the presence of certain compounds of acid character.

Hazardous decomposition products: None



## 11. TOXICOLOGICAL INFORMATION

Likely routes of exposure:	Inhalation, Ingestion, Skin contact, Eye contact	
Symptoms/injuries after inhalation:	High concentrations of dust may irritate the throat and respiratory system and cause coughing.	
Symptoms/injuries after Ingestion:	Mixture components not known to be harmful.	
Symptoms/injuries after skin contact:	Prolonged contact may cause skin irritation	
Symptoms/injuries after eye contact:	Dust may cause eye irritation.	
Acute toxicity:	Mixture based on components' toxicity. Not classified.	
Reproductive toxicity:	No relevant data found.	
Specific Target Organ Toxicity-S E:	No relevant data found.	
Specific Target Organ Toxicity-R E:	No relevant data found.	
Carcinogenicity:	Not classified.	
NTP (National Toxicology Program):		Not classified.
IARC (International Agency for Research on Cancer):		Not classified.
ACGIH (American Conference of Governmental Industrial Hygienists):		Not classified.

## 12. ECOLOGICAL INFORMATION

Toxicity:	Toxic to birds and mammals if swallowed in great quantities. Great quantities may kill plants, Boron is used in small concentrations as a micronutrient.	
Persistence and degradability:	Boron appears in a natural way and is omnipresent in the environment.	
Bioaccumulative potential:	Not bio-accumulative.	
Mobility in soil:	Partially soluble in water.	
Other adverse effects:	No further relevant information available.	

## 13. DISPOSAL CONSIDERATIONS

<u>Waste treatment methods:</u>	Recommend recycling excess product if at all possible. Avoid sewage and landfill disposal. Place contaminated material in suitable, labeled containers for disposal. See section 8 for exposure control information.
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## 14. TRANSPORT INFORMATION

**DOT:** Not regulated for transport

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

## 15. REGULATORY INFORMATION

**OSHA Hazard Communication Standard:** This product is not a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

CERCLA Section 103 Hazardous Substances: None

EPCRA Section 311/312 Hazard Categories: None

EPCRA Section 313 Toxic Release Inventory: None

California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986):

This product contains no listed substances known to the State of California to cause cancer, birth defects or other reproductive harm, at levels which would require a warning under the statute.

Micronutrient Approvals / Registrations: California Department of Food and Agriculture (CDFA):

Company Registration# 11554



## **16. OTHER INFORMATION**

Date of preparation/issue date: June 22, 2023

Version: 1.1

Revised: Date

Disclaimer: The information in this Safety Data Sheet should be provided to all who will use, handle store, transport or otherwise be exposed to this product. All information concerning this product and/or all suggestions for handling and use contained herein are offered in good faith and are believed to be reliable as of the date of publication. Frit Industries, however, makes no warranty as to the accuracy of and/or sufficiency of such information and/or suggestions, as to the product's merchantability or fitness for any particular purpose, or that any suggested use will not infringe any patent. Buyer shall determine for himself, by preliminary tests or otherwise, the suitability of this product for his purposes, including mixing with other products. The information contained herein supersedes all previously issued bulletins on the subject matter covered.