

Frit Industries Safety Data Sheet F-577 G

1. IDENTIFICATION

Product Type:SolidRecommended /Restrictions of use:Fertilizer Micronutrient AdditiveSupplier's Details:Frit Industries Ine PO Box 1589 334-774-2513Breach, AL 35361-1589 334-774-2513Feregency contact number: Chemical Emergencies - 800-535-5053 Medical/Handling Emergencies - 1NFOTRAC 800-535-5053 USA 352-323-3500 InternationalIntergency contact number: Chemical Emergencies - 800-535-5053 Medical/Handling Emergencies - 1NFOTRAC 800-535-5053 USA 352-323-3500 InternationalIntergency contact number: Chemical Emergencies - 1NFOTRAC 800-535-5053 USA 352-323-3500 InternationalIntergencies - 1000 Stat Add 29 CFR 1910-1200.Acute Toxicity (oral) - Category 4Acute Toxicity (oral) - Category 4Signal word:Harmful if swallowed (H302)Hazard pictograms:Harmful if swallowed (H302)Hazard pictograms:Keep out of reach of children. Wash skin thoroughly after handling. Do not eat, drink, or smoke when using product.ResponseIf SWALLOWED: Call a doctor if you feel unwell. Rinse mouth.StorageNA DisposalDisposalDispose of contents/container to an approved waste disposal.Cher hazards not contribut:Kone identified.Unknown components with the classification:Spill area may be slippery.Unknown components with two civic with two supponents.None.	Product Name:	-577 G Granular Fertilizer Micronutrient	
Supplier's Details: Frit Industries Inc PO Box 1589 Ozark, AL 36361-1589 Data+774-2515 Emergency contact number: Chemical/Handling Emergencies - 800-535-5053 Medical/Handling Emergencies - 1NFOTRAC Box 0535-5053 USA 352-323-3500 International J. HAZARDS IDEVIFICATION Emergency contact number: Hazard Classification: This material is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200. Acute Toxicity (oral) – Category 4 Signal word: Warning Hazard statements: Harmful if swallowed (H302) Hazard pictograms: Evel pout of reach of children. Wash skin thoroughly after handling. Do not eat, drink, or smoke when using product. Response Fr SWALLOWED: Call a doctor if you feel unwell. Rinse mouth. Storage Storage Na Disposal Dispose of contents/container to an approved waste disposal. Cher hazards: None identified.	Product Type: S	Solid	
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	Other hazards:	None identified.	
Unknown components with acute toxicity: None.	Other hazards not contr	ibuting to the classification: Spill area may be slippery.	
	Unknown components	with acute toxicity: None.	



3. COMPOSITION/INFORMATION ON INGREDIENTS

This product is a mixture

Chemical name/component	CAS#	Concentration
Iron Oxide	1309-38-2	> 60 - < 75%
Gypsum	13397-24-5	> 5 - < 10%
Iron Sulfate	17375-41-6	> 10 - < 25%
Manganese Oxide	1344-43-0	> 1 - < 2%
Manganese Sulfate	10034-96-5	> 0.1 - < 1%

4. FIRST-AID MEASURES

Description of first aid measures:

Eye Contact - If in eyes:Flush with water for 15 minutes. Call a doctor for treatment if irritation persists.Skin Contact - If on skin:Wash thoroughly with soap and water. Launder clothing before reuse.Inhalation - If inhaled:Remove affected person from source of exposure. Call 911 if breathing is difficult.Ingestion - If ingested:Do not induce vomiting. Get medical attention. Have the product label with you when calling a doctor or going for treatment.

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	Material is not combustible. Product packaging is not self-ignitable, but may
substance or mixture:	support combustion.
Advice for firefighters:	
Firefighting instructions:	Use extinguishing media appropriate for the surrounding materials.
Protection during	Wear appropriate protective equipment and self-contained breathing apparatus
firefighting:	(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.
Safe Storage conditions:	Store in a dry, cool, and well-ventilated area. Protect from weather.
Incompatible materials:	Strong alkaline or acid compounds.



 g/m^3

8. EXPOSURE CONTROL/PERSONAL PROTECTION			
Exposure limits are listed below, if they exist:			
Component	Regulation	Type of listing	Value/Notation
Dust – inhalable particles	OSHA / ACGIH	TWA	$15 \text{ mg/m}^3 \text{ / } 10 \text{ mg/m}^3$
Dust – respirable particles	OSHA / ACGIH	TWA	$5 \text{ mg/m}^3 / 3 \text{ mg/m}^3$
Iron Oxide	OSHA / ACGIH / NIOSH	TWA	10 mg/ m ³ / 5 mg/ m ³ / 5 mg
Manganese compounds	ACGIH / NIOSH	TWA	2 mg/ m ³ / 1 mg/ m ³
Gypsum (total)	OSHA / NIOSH	TWA	15 mg/ m ³ / 10 mg/ m ³
Gypsum (respirable)	OSHA / NIOSH	TWA	$5 \text{ mg/m}^3 / 5 \text{ mg/m}^3$
Engineering controls:	Use adequate ventilation t	o prevent exposure	

Personal protective measures:	
Hand protection:	Wear suitable protective gloves to prevent direct exposure.
Eye protection:	Safety glasses with side shields or tight fitting goggles.
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,	No specialty PPE requirements beyond those previously identified.

protective clothing or respirators:

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Solid	Vapor pressure:	NA
Color:	Dark Brown	Vapor density:	NA
Odor:	Slight metallic	Relative density	110 lbs/ft ³
Odor threshold:	NA	Solubility:	Partially soluble in water
pH:	5-6.5	Partition coefficient:	NA
Melting point/freezing	NA	Auto ignition temp:	NA
point:			
Initial boiling point/range:	NA	Decomposition temp:	NA
Flashpoint:	NA	Viscosity:	NA
Evaporation rate:	NA		
Flammability (solid gas):	NA		
Upper/lower flammability	NA		
or explosive limits:			

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 at ambient temperatures and atmospheric pressures.

Other:

Hazardous reactions: None determined. Conditions to avoid: Avoid high temperatures. Prevent contact with moisture or incompatible materials. Incompatible materials: Strong alkaline or acid compounds. Metal and sulfur fumes when excessive heat is applied. Hazardous decomposition products:

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11. TOXICOLOGICAL INFORMATION

Likely routes of exposure:	Inhalation, Ingestion, Skin contact, I	Eye contact
Symptoms/injuries after inhalation:	High concentrations of dust may irri	
	respiratory system and cause coughi	ng.
Symptoms/injuries after Ingestion:	Harmful if swallowed.	
Symptoms/injuries after skin contact:	Prolonged contact may cause skin ir	ritation
Symptoms/injuries after eye contact:	Dust may cause eye irritation.	
Acute toxicity:	Mixture based on components' toxic	city.
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		Not classified.
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12. ECOLOGICAL INFORMATION

Toxicity:	No testing data available.
Persistence and degradability:	No data is available on the degradability of this product.
Bioaccumulative potential:	No data is available.
Mobility in soil:	No data is available.
Other adverse effects:	No further relevant information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods:

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.

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 a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Yes

Ingredients listed on TSCA inventory:

CERCLA Section 103 Hazardous Substances: Manganese Compounds, Ferrous sulfate

EPCRA Section 311/312 Hazard Categories: Acute Toxicity

EPCRA Section 313 Toxic Release Inventory: Manganese Compounds

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

This product contains 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: October 3, 2023 Version: 1.1 Revised Section 3

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.