



Safety Data Sheet

Section 1: Identification

Product identifier

Product Name

- **Ironite 1-0-1 Mineral Supplement**

Synonyms

- 0-21496-01357-2; 0-21496-01358-9; 0-21496-01359-6; 100519429; 100519460; 100519461; Ironite 1-0-1 GEN 2 120-15 LB; Ironite 1-0-1 GEN 2 6/3 LB; Ironite 1-0-1 GEN 2 63/30 LB; Mineral supplement

Product Description

- Solid uniform brown black, dark grey, white free-flowing granules.

Relevant identified uses of the substance or mixture and uses advised against

Recommended use

- Fertilizer; mineral supplement for lawns, flowers, shrubs, vegetables and trees.

Restrictions on use

- Keep out of reach of children and pets. Avoid contact with skin, eyes, or clothing.

Details of the supplier of the safety data sheet

Manufacturer

- Central Garden & Pet Company, Garden Division
1000 Parkwood Circle, Suite 700
Atlanta, GA 30339
United States
www.penningtonfertilizer.com

Emergency telephone number

Manufacturer

- 1-800-265-0761

Manufacturer (Transportation)

- 1-800-424-9300 - CHEMTREC

Manufacturer (Transportation)

- 1-703-527-3887 - CHEMTREC - Outside US Collect Calls Accepted

Section 2: Hazard Identification

United States (US)

According to OSHA 29 CFR 1910.1200 HCS

Classification of the substance or mixture

OSHA HCS 2012

- Skin Irritation 2 - H315
Carcinogenicity 1A - H350
Specific Target Organ Toxicity Repeated Exposure 1 - H372
Eye Mild Irritation 2B - H320

Label elements

OSHA HCS 2012

DANGER



Hazard statements • Causes damage to organs through prolonged or repeated exposure. - H372

Causes skin irritation - H315
 May cause cancer. - H350
 Causes eye irritation - H320

Precautionary statements

- Prevention**
 - Do not eat, drink or smoke when using this product. - P270
 - Do not handle until all safety precautions have been read and understood. - P202
 - Obtain special instructions before use. - P201
 - Wash thoroughly after handling. - P264
 - Wear protective gloves/protective clothing/eye protection/face protection. - P280
 - Avoid breathing dust, fume, gas, mist, vapors and/or spray. - P261
- Response**
 - IF exposed or concerned: Get medical advice/attention. - P308+P313
 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. - P305+P351+P338
 - If skin irritation occurs: Get medical advice/attention. - P332+P313
 - Specific treatment (see supplemental first aid instructions on this label). - P321
 - Take off contaminated clothing and wash before reuse. - P362
 - IF ON SKIN: Wash with plenty of soap and water. - P302+P352
- Storage/Disposal**
 - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations. - P501
 - Store locked up. - P405

Other hazards

OSHA HCS 2012

- Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

Section 3 - Composition/Information on Ingredients

Substances

- Material does not meet the criteria of a substance according to United Nations Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

Mixtures

Composition		
Chemical Name	Identifiers	%
Gypsum	CAS:13397-24-5	59.7%
Iron oxide	CAS:1309-37-1	31.1%
Lignosulfonic acid, sodium salt	CAS:8061-51-6	3%
Urea	CAS:57-13-6	2.2%
Potassium chloride	CAS:7447-40-7	2.2%
Quartz	CAS:14808-60-7	1%
Crosslinked Polymer	NDA	0.5%
Microorganisms	NDA	0.3%

Section 4: First-Aid Measures

Description of first aid measures

Inhalation

- IF INHALED: If breathing is difficult, remove person to fresh air and keep at rest in a position comfortable for breathing. Administer oxygen if breathing is difficult. Get medical attention if symptoms occur.

Skin	• If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. IF ON SKIN: Wash with plenty of soap and water.
Eye	• IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Ingestion	• Do not induce vomiting unless told to by a poison control center or doctor. Have person drink plenty of water if able to swallow. Get medical attention if symptoms occur. Rinse mouth. Never give anything by mouth to an unconscious person.
Most important symptoms and effects, both acute and delayed	
• Refer to Section 11 - Toxicological Information.	
Indication of any immediate medical attention and special treatment needed	
Notes to Physician	• Treat symptomatically and supportively.

Section 5: Fire-Fighting Measures

Extinguishing media

Suitable Extinguishing Media

- Use water, fog, carbon dioxide, or dry chemical.

Unsuitable Extinguishing Media

- High pressure spray.

Firefighting Procedures

- Do not use direct stream of water. A direct stream of water may spread fire.

Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards

- Reactive with halogens, oxidizing agents, reducing agents, acids, alkalis and moisture.

Hazardous Combustion Products

- No data available

Advice for firefighters

- Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Personal Precautions

- Avoid dust formation and breathing dust. Avoid contact with skin, eyes, and clothing. Ensure adequate ventilation to remove vapors, fumes, dust etc. Wear appropriate personal protective equipment, avoid direct contact.

Emergency Procedures

- No emergency procedures are expected to be necessary if material is used under ordinary conditions as recommended.

Environmental precautions

- Prevent product from entering drains.

Methods and material for containment and cleaning up

Containment/Clean-up Measures

- Sweep or scoop up spills, dispose of any unusable material in approved landfill. Avoid generating dust.

Section 7 - Handling and Storage

Precautions for safe handling

Handling

- Avoid breathing dust. Avoid contact with skin, eyes, and clothing. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Use only with adequate ventilation or closed system ventilation. Wear appropriate personal protective equipment, avoid direct contact. Wear appropriate

respirator when ventilation is inadequate. Wash thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Storage

- Avoid contact with aluminum or carbon steel to minimize corrosion. Store locked up. Keep from freezing. Keep container closed when not in use. Store in a cool, dry, well-ventilated place.

Section 8 - Exposure Controls/Personal Protection

Control parameters

Exposure Limits/Guidelines				
	Result	ACGIH	NIOSH	OSHA
Quartz (14808-60-7)	TWAs	0.025 mg/m ³ TWA (respirable fraction)	0.05 mg/m ³ TWA (respirable dust)	Not established
Iron oxide (1309-37-1)	TWAs	5 mg/m ³ TWA (respirable fraction)	5 mg/m ³ TWA (dust and fume, as Fe)	10 mg/m ³ TWA (fume); 15 mg/m ³ TWA (total dust, listed under Rouge); 5 mg/m ³ TWA (respirable fraction, listed under Rouge)
Gypsum (13397-24-5)	TWAs	10 mg/m ³ TWA (inhalable fraction, listed under Calcium sulfate)	10 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable dust)	15 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable fraction)

Exposure Control Notations

ACGIH

- Quartz (14808-60-7): **Carcinogens:** (A2 - Suspected Human Carcinogen)
- Iron oxide (1309-37-1): **Carcinogens:** (A4 - Not Classifiable as a Human Carcinogen)

Exposure Limits Supplemental

OSHA

- Quartz (14808-60-7): **Mineral Dusts:** ((30)/(%SiO₂ + 2) mg/m³ TWA, total dust; (250)/(%SiO₂ + 5) mppcf TWA, respirable fraction; (10)/(%SiO₂ + 2) mg/m³ TWA, respirable fraction)

ACGIH

- Gypsum (13397-24-5): **TLV Basis - Critical Effects:** (nasal symptoms (listed under Calcium sulfate))
- Quartz (14808-60-7): **TLV Basis - Critical Effects:** (lung cancer; pulmonary fibrosis)
- Iron oxide (1309-37-1): **TLV Basis - Critical Effects:** (pneumoconiosis)

Exposure controls

Engineering Measures/Controls

- Non-Household Setting: Use in a well ventilated area. Use safety glasses. If airborne mist hazard exists use gloves and other protective clothing to prevent skin contact. If airborne dust is present, use appropriate respiratory protection. Local exhaust ventilation.

Personal Protective Equipment

Pictograms



Respiratory

- Follow the OSHA respirator regulations found in 29 CFR 1910.134. Use a NIOSH/MSHA approved respirator if exposure limits are exceeded or symptoms are experienced. If airborne dust is present or in case of inadequate ventilation, use appropriate respiratory protection.

Eye/Face

- Wear protective gloves/protective clothing/eye protection/face protection.

Hands

- Wear appropriate gloves.

Skin/Body

- If prolonged exposure is anticipated, it is recommended for handlers to wear appropriate clothing to prevent skin contact.

Environmental Exposure

- No data available

Controls**Section 9 - Physical and Chemical Properties****Information on Physical and Chemical Properties**

Material Description			
Physical Form	Solid	Appearance/Description	Solid uniform brown, black, dark grey and white free-flowing granules.
Color	Uniform brown, black, dark grey and white.	Odor	Slight mineral and ammoniacal.
Taste	No data available	Odor Threshold	No data available
General Properties			
Boiling Point	No data available	Melting Point	No data available
Decomposition Temperature	No data available	pH	Not relevant
Specific Gravity/Relative Density	No data available	Bulk Density	45 to 80 lb(s)/ft ³
Water Solubility	Not soluble	Viscosity	Not relevant
Volatility			
Vapor Pressure	No data available	Vapor Density	No data available
Evaporation Rate	No data available		
Flammability			
Flash Point	Not relevant	UEL	No data available
LEL	No data available	Autoignition	No data available
Flammability (solid, gas)	No data available		
Environmental			
Octanol/Water Partition coefficient	No data available		

Section 10: Stability and Reactivity**Reactivity**

- Stable under normal storage conditions.

Chemical stability

- Stable under normal temperatures and pressures.

Possibility of hazardous reactions

- Hazardous polymerization will not occur.

Conditions to avoid

- Incompatible with aluminum (at high temperatures), diazomethane, strong acids, hot nitric acid, and organic solvents. Reactive with halogens, oxidizing agents, reducing agents, acids, alkalis and moisture.

Incompatible materials

- Heat, strong acids, strong bases and oxidizing agents, aluminum (at high temperatures), diazomethane, hot nitric acid and organic solvents.

Hazardous decomposition products

- Contact with strong acid may produce hydrogen chlorine gas. Contact with hot nitric acid may produce toxic nitrosyl chloride. Thermal decomposition may produce: chlorine gas, oxides of calcium, sulfur. Slow hydrolysis may produce acids corrosive to metals.

Section 11 - Toxicological Information

Information on toxicological effects

GHS Properties	Classification
Acute toxicity	OSHA HCS 2012 • Acute Toxicity - Dermal - Classification criteria not met; Acute Toxicity - Inhalation - Classification criteria not met; Acute Toxicity - Oral - Classification criteria not met
Aspiration Hazard	OSHA HCS 2012 • Classification criteria not met
Carcinogenicity	OSHA HCS 2012 • Carcinogenicity 1A
Germ Cell Mutagenicity	OSHA HCS 2012 • Not classified - data lacking
Skin corrosion/Irritation	OSHA HCS 2012 • Skin Irritation 2
Skin sensitization	OSHA HCS 2012 • Classification criteria not met
STOT-RE	OSHA HCS 2012 • Specific Target Organ Toxicity Repeated Exposure 1
STOT-SE	OSHA HCS 2012 • Classification criteria not met
Toxicity for Reproduction	OSHA HCS 2012 • Classification criteria not met
Respiratory sensitization	OSHA HCS 2012 • Classification criteria not met
Serious eye damage/Irritation	OSHA HCS 2012 • Eye Mild Irritation 2B

Potential Health Effects

Inhalation

Acute (Immediate)

- May cause respiratory tract irritation. Coughing, sneezing, or shortness of breath may occur following exposures in excess of exposure limits. Conjunctivitis, chronic rhinitis, laryngitis, pharyngitis, impaired sense of smell and taste, bleeding from the nose, and reactions of tracheal and bronchial membranes are possible with acute exposure.

Chronic (Delayed)

- Excessive inhalation of crystalline silica (quartz) may cause lung injury. Exposure to respirable crystalline silica is not expected during normal use of this product.

Skin

Acute (Immediate)

- Causes skin irritation.

Chronic (Delayed)

- No data available

Eye

Acute (Immediate)

- Causes eye irritation.

Chronic (Delayed)

- No data available

Ingestion

Acute (Immediate)

- Under normal conditions of use, no health effects are expected however may be harmful if swallowed. May cause gastrointestinal tract irritation with accompanying salivation, pain, nausea, vomiting and diarrhea. Intestinal obstruction may occur if the material hardens. If large amounts are ingested, may cause vomiting, diarrhea, cramps, tingling in hands and feet, weak pulse, and circulatory disturbances.

Chronic (Delayed)

- No data available

Carcinogenic Effects

- Crystalline silica (quartz) inhaled from occupational sources is classified as carcinogenic to humans.

Carcinogenic Effects			
	CAS	IARC	NTP
Quartz	14808-60-7	Group 1-Carcinogenic	Known Human Carcinogen

Section 12 - Ecological Information

Toxicity

- No data available

Persistence and degradability

- No data available

Bioaccumulative potential

- No data available

Mobility in Soil

- Water contaminating.

Other adverse effects

- No studies have been found.

Section 13 - Disposal Considerations

Waste treatment methods

Product waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Packaging waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Section 14 - Transport Information

	UN number	UN proper shipping name	Transport hazard class (es)	Packing group	Environmental hazards
DOT	None	Not Regulated	N/A	N/A	N/A
IMO/IMDG	None	Not Regulated	N/A	N/A	N/A
IATA/ICAO	None	Not Regulated	N/A	N/A	N/A

Special precautions for user

- None specified.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

- No data available

Other information

IMO/IMDG • No data available

IATA/ICAO • No data available

Section 15 - Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

SARA Hazard Classifications

- Chronic

Inventory		
Component	CAS	TSCA
Gypsum	13397-24-5	No

Iron oxide	1309-37-1	Yes
Lignosulfonic acid, sodium salt	8061-51-6	Yes
Potassium chloride	7447-40-7	Yes
Quartz	14808-60-7	Yes
Urea	57-13-6	Yes

United States - California

Environment

U.S. - California - Proposition 65 - Carcinogens List

• Gypsum	13397-24-5	Not Listed
• Lignosulfonic acid, sodium salt	8061-51-6	Not Listed
• Potassium chloride	7447-40-7	Not Listed
• Iron oxide	1309-37-1	Not Listed
• Urea	57-13-6	Not Listed
• Quartz	14808-60-7	carcinogen, initial date 10/1/88 (airborne particles of respirable size)

Section 16 - Other Information

Last Revision Date	31/July/2014
Preparation Date	31/July/2014
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