

## SAFETY DATA SHEET

## Section 1: Identification

**Product Name:** MDF Mineral Grow**Chemical Name/Synonyms:** Soft Rock Phosphate**Company: University of Washington, Department:** Mineral Development Fertilizer LLC  
4001 Noralyn Mine Road Bartow, FL 33830**In emergency call 911.****For information about this SDS, use this department contact phone#:** 863-583-5801

## Section 2: Hazard(s) Identification

See <https://www.sigmaaldrich.com/safety-center/globally-harmonized.html> for a list of hazard classifications, signal words, hazard statements, pictograms, precautionary statements, and a description of hazards.**Hazard Classification:** 0**Signal Word(s):** Caution**Hazard Statements:** Not classified as a physical hazard**Pictograms:****Precautionary Statements:** Limit direct contact to dust with mask and safety glasses.**Description of other hazards:** Skin, eye or respiratory irritation

## Section 3: Composition/ Information on Ingredients

Chemical Name	Synonym	CAS#	Conc.
Soft Rock Phosphate			100%

## Section 4: First-Aid Measures

**After skin contact:** None, normal skin dryness of temporary irritation**After eye contact:** none, avoid use of contact lens in dusty conditions.**After inhalation:** Avoid breathing dust with standard respirator**After swallowing:** rinse

### Section 5: Fire-Fighting Measures

**Suitable extinguishing agents:** Non-flammable

**Special protective equipment for firefighters:** Standard protective clothing and breathing apparatus

### Section 6: Accidental Release Measures

**Personal precautions:** none

**Measures for environmental protection:** none

**Measures for cleaning/collecting:** Shovel up large spills for use or disposal, sweep small spills

### Section 7: Handling and Storage

**Handling:** None

**Storage:** Store in a dry place

### Section 8: Exposure Controls/Personal Protection

Chemical Name	OSHA PEL	OSHA PEL (ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Soft Rock Phosphate	n/a	n/a	n/a	n/a

**General protective and hygienic measures:** Follow normal hygiene practices wash with soap and water

**Breathing equipment:** Standard

**Protection of hands:** Ordinary work gloves

**Eye protection:** Safety glasses

### Section 9: Physical and Chemical Properties

**Form:** brownish / tan fines and granules

**Odor:** None

**Odor threshold:** N/A

**pH:** 7

**Melting point/melting range:** < 100c

**Boiling point/boiling range:** N/A

**Flash point:** Non-flammable  
**Evaporation rate:** N/A  
**Flammability:** Non- flammable  
**Upper/lower flammability or explosive limits:** N/A  
**Auto ignition temperature:** N/A  
**Danger of explosion:** None  
**Vapor pressure:** N/A  
**Vapor density:** N/A  
**Relative density:** 0.85  
**Solubility in/Miscibility with water:** Low

#### Section 10: Stability and Reactivity

**Reactivity:** None  
**Chemical stability:** Stable  
**Conditions to avoid:** None  
**Incompatible materials:** None  
**Hazardous decomposition products:** None

#### Section 11: Toxicological Information

**Acute toxicity:** Non-hazardous  
**Potential routes of exposure/potential health effects**  
**Skin:** Dryness from contact  
**Eye:** Dryness or irritation from dust  
**Inhalation:** respiratory irritation from extended exposure to dust without mask  
**Ingestion:** N/A  
**Carcinogenic effects:** None  
**Mutagenic effects:** None  
**Reproductive toxicity:** None  
**Sensitization:** N/A  
**Target organs:** None

#### Section 12: Ecological Information (non-mandatory)

**Ecotoxicity:**  
**Mobility:**  
**Biodegradation:**  
**Bioaccumulation:**

**Section 13: Disposal Considerations (non-mandatory)**

**Section 14: Transport Information (non-mandatory)**

**DOT regulations:**

- **Hazard class:**
- **Land transport ADR/RID (cross-border):**
- **ADR/RID class:**
- **Maritime transport IMDG:**

**Air transport ICAO-TI and IATA-DGR:**

- **ICAO/IATA Class:**

**Section 15: Regulatory Information (non-mandatory)**

**US Federal Regulations**

**SARA Section 355 (extremely hazardous substances):**

**SARA Section 313 (specific toxic chemical listings):**

**Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs):**

**TSCA (Toxic Substances Control Act):**

**Section 16: Other Information**

**SDS date of preparation/update: 8/2023**