



Safety Data Sheet (MSDS)

OSHA Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

16 sections of the SDS are presented below:



SECTION 1 - IDENTIFICATION

- Producer: U. S. Rare Earth Minerals
 - Mailing Address: 78-365 Hwy 111 - Suite 287, La Quinta, CA 92253
 - E-Mail Address: info@excelsite.biz
 - Web Address: www.us-rem.com
 - Telephone: 800.920.7507 / www.US-REM.COM
- Trade Name: EXCELERITE®
 - Common Name: Clay Mineral Calcium Montmorillonite in the smectite group of clays.
 - Clay Synonym: Fuller's Earth Chemical Family
- EXCELERITE® is:
 - Not a manufactured product &/or technically classified as a hazardous chemical.
 - 100% natural and contains no additives.
- EXCELERITE®'s primary function is to remineralize soil.

Section 2 – Hazards Identification

- Clay Mineral Calcium Montmorillonite Contains free silica dioxide.
- The current OSHA Standard:
 - 8-hour TWA (Respirable Dust) is determined by the formula: 10mg/M3
 $1\%S102 = 2$ or 50 mppcf / $1\%S102 + 5$ ACGIH is proposing a TLV of 0.1mg/M3
- Respirable Dust or 0,3mg/M3
- Total Dust) NIOSH has recommended a Permissible Exposure Level of 0.05 mg/M3

Section 3: Composition/Information on Ingredients

- Specific Gravity: 2.58
- Percent Volatile by Weight: 0
- Evaporation Rate: 0

Section 4: First-Aid Measures

- INHALED: If breathing is difficult, remove person to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms persist.
- ON SKIN: Wash skin with soap and water. If irritation develops and persists, get medical attention.
- IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- INGESTION: First aid is not expected to be necessary if material is used under ordinary conditions and as recommended



Section 5: Fire-Fighting Measures

- Non- Flammable
- Unusual Fire and Explosion: None known.

Section 6: Accidental Release Measures

- Avoid generation of dust during clean-up of spills
- Do not breathe dust.
- Use respiratory protection.
- Wear suitable protective clothing, gloves and eye/face protection
- Recover the product by vacuuming, shoveling or sweeping.

Section 7: Handling and Storage

- Store in low temperature, well ventilated, dry place.
- Keep containers tightly closed.
- Avoid humid, wet or moist conditions.
- Keep out of reach of children.

Section 8: Exposure Controls/Personal Protection

- Threshold Limit Values: N/A Effects of Overexposure
- Recommended Protection
 - Respiratory Dust mask
 - Eye protection
 - Gloves YES

Section 9: Physical and Chemical Properties

- Appearance & Odor: Light Brown Powder, with no Odor
- Fuller's Earth Chemical Family
- Silicate Dioxide Formula: $\text{Ca}(\text{Ca}_3, \text{Al}_2)\text{Si}_5\text{O}_{10}(\text{OH})_8$
- CAS Number: 1302-76-7
- pH balance between 6.7 and 7.3
- Contains 72 chelated macros, trace, and nano minerals making up its structure

Section 10: Stability and Reactivity

- Nonreactive under normal handling and storage conditions.
- Stable under normal temperature and pressure.
- Hazardous polymerization will not occur.
- Conditions to Avoid: None known.

Section 11: Toxicological Information

- Tested and determined to be toxin and contaminant free.

Section 12: Ecological Information

- No applicable information was found

Section 13: Disposal Considerations

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

Section 14: Transport Information

- No applicable information was found



Section 15: Regulatory Information

- No applicable information was found

Section 16: Other Information

- Prepared by U.S. Rare Earth Minerals, Inc. - Revision date 5.9.2018