

SAFETY DATA SHEET

Issue Date: November 7, 2018.

Revision Date: September 12, 2020.

SECTION 1 - COMPANY and PRODUCT IDENTIFICATION:

- 1.1 **Product Name:** SEPIONATE F5
- 1.2 **Company Identification:** Clarke Minerals LLC
1700 66th Street North
Suite 104-1028
St. Petersburg, FL 33710.
(863) 868-0088
- 1.3 **Emergency Phone Number:** CHEMTREC (24 hours every day): 1-800-424-9300

SECTION 2 - HAZARDOUS IDENTIFICATION

Classification Carcinogen – Category 1
Specific Target Organ Toxicity Single Exposure – Category 3 (Respiratory System)
Specific Target Organ Toxicity Repeat Exposure – Category 1 (Respiratory System)

Label Elements

Symbols/Pictograms



Signal Word
Hazard Statements

Danger
May cause respiratory irritation
Causes damage to lungs through prolonged or repeated exposure when inhaled
May cause cancer through inhalation

Precautionary Statements

Prevention

Wash exposed skin thoroughly after handling. Do not breathe dust. Use only outdoors or in a well-ventilated area. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not eat, drink or smoke when using this product. If exposed or concerned: Get medical advice Dispose of contents or containers in accordance with applicable regulations.

Hazardous Components: Respirable dust may contain crystalline silica in the form of Quartz. This crystalline silica is reported as total silica and not just respirable fraction and the content is less than 1%)

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	Chemical Formula	Common Name	CAS #
Sepiolite	H ₆ Mg ₈ Si ₁₂ O ₃₀ OH ₁₀ 6H ₂ O	Sepiolite	63800-37-3
Crystalline Silica	SiO ₂	Quartz	14808-60-7

SECTION 4 - FIRST AID MEASURES

Inhalation: Move victim to fresh air. Seek medical attention if necessary.

Ingestion: Do not induce vomiting. Seek medical attention immediately. Never give anything by mouth unless instructed to do so by medical personnel.

Most important symptoms and effects, both acute and delayed: This product contains crystalline silica, which has been classified by IARC as (Group I) carcinogenic to humans when inhaled. Inhalation of silica can also cause a chronic lung disorder, silicosis.

Note to Physician: Provide general supportive measures and treat symptomatically.

SECTION 5 - FIREFIGHTING MEASURES

Appropriate Extinguishing Media: Use dry chemical fire extinguisher or water

Fire Hazards: Sepiolite is not combustible or flammable. Sepiolite is not considered to be an explosive hazard.

Hazardous Combustion Products: None

Special Protective Equipment and Fire Fighting Instructions: None

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use proper protective equipment.

Environmental Precautions: For large spills, as much as possible, avoid the generation of dusts. Prevent release to sewers or waterways.

Methods and Materials for Containment and Cleaning Up:

Small Spills: Use dry methods to collect spilled materials. Avoid generating dust. Do not clean up with compressed air. Residue on surfaces may be water washed.

Large Spills: Use dry methods to collect spilled materials. Evacuate area downwind of clean-up operations to minimize dust exposure.

SECTION 7 - HANDLING AND STORAGE

Handling and Storage: Protect from moisture. Avoid breakage of bagged material

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Controls Parameters:

Component	CAS #	Exposure Limits
Sepiolite	63800-37-3	OSHA PEL: 15 mg/m ³ (total); 5 mg/m ³ (respirable) ACGIH TLV: 10 mg/m ³
Crystalline Silica	14808-60-7	OSHA PEL: 0.050 mg/m ³ as an 8 hr. TWA (respirable) ACGIH TLV: 0.025 mg/m ³ (respirable)

Appropriate Engineering Controls: Provide ventilation adequate to maintain PELs.

Personal Protection Respiratory Protection: Use NIOSH approved respirators if airborne concentration exceeds PEL.

Eye Protection: Use safety glasses with side shields or safety goggles.

Skin Protection: Clothing should fully cover arms and legs.

Other: Eye wash fountain and emergency showers are recommended.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Solid

Color: Light gray, tan or reddish tan

Odor: Earthy odor

Odor Threshold: N/ A

pH: 4-8 @ 25o C

Melting Point: N/A

Initial Boiling Point: N/A

Freezing Point: N/ A

Flash Point: N/ A

Evaporation Rate: N/ A

Flammability (solid, gas): Non-flammable

Explosion Limits: N/ A

Vapor Pressure: N/ A

Vapor Density: N/ A

Relative Density: 1.9 – 2.4 g/ cm³ (apparent)

Solubility(ies): Insoluble in water

Partition coefficient: N/ A

Auto-ignition Temperature: N/ A

Decomposition Temperature: N/ A

Viscosity: N/A

SECTION 10 - STABILITY AND REACTIVITY

Reactivity: Normally stable.

Chemical Stability: Sepiolite is chemically stable.

Possibility of Hazardous Reactions: Normally stable

Conditions to Avoid: N/A

Incompatible Materials: None known

Hazardous Decomposition Products: None

SECTION 11 - TOXICOLOGICAL INFORMATION

Health Effects: see First Aid discussion in Section 4

Routes of Exposure: see First Aid discussion in Section 4

Symptoms Related to Exposure: see First Aid discussion in Section 4

Carcinogen Listing: Sepiolite is not listed by MSHA, OSHA, or IARC as a carcinogen, but this product contains crystalline silica, which has been classified by IARC as (Group I) carcinogenic to humans when inhaled.

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity: None Expected

Persistence and Degradability: N/A

Bioaccumulation Potential: This material shows no bioaccumulation effect or food chain concentration toxicity.

Mobility in Soil: Minimal mobility in soil.

Other Adverse Effects: N/A

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal Recommendations: Dispose of in accordance with all applicable federal, state, and local environmental regulations.

Regulatory Disposal Information: If this product as supplied, and unmixed, becomes a waste, it will not meet the criteria of a hazardous waste as defined under the Resource Conservation and Recovery Act.

SECTION 14 - TRANSPORTATION INFORMATION

UN Number: Not Regulated

UN Proper Shipping Name: Not Regulated

Transport Hazard Class(es): Not Regulated

Packing Group: Not Regulated

Marine Pollutant (y/n): No

Special Precautions: None

SECTION 15 - REGULATORY INFORMATION

National Chemical Inventory Listings:

All chemical ingredients are listed on the USEPA TSCA Inventory List.

US Regulations:

RCRA Hazardous Waste Number: not listed (40 CFR 261.33)

RCRA Hazardous Waste Classification (40 CFR 261): not classified

CERCLA Hazardous Substance (40 CFR 302.4) unlisted specific per RCRA, Sec. 3001;

CWA, Sec. 311 (b) (4); CWA, Sec. 307(a), CAA, Sec. 112

CERCLA Reportable Quantity (RQ) not listed.

SARA 311/312 Codes: not listed.

SARA Toxic Chemical (40 CFR 372.65): not listed.

SARA EHS (Extremely Hazardous Substance) (40 CFR 355): Not listed, Threshold Planning Quantity (TPQ): not listed

Specific State Regulations: WARNING: This product can expose you to chemicals, including crystalline silica, which is known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov These naturally occurring impurities may also be regulated by other States.

Canadian NDSL: Listed

Canadian NPRI: None of the components are listed

CEPA Toxic Substances: None of the components are listed

SECTION 16 - OTHER INFORMATION

References: Not available

Created: 11/07/2018

Last Updated: 09/12/2020

Abbreviations:

N/A	Not Available or Not Applicable
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
ACGIH	American Conference of Governmental Industrial Hygienists
TWA	Time Weighted Average
PEL	Permissible Exposure Limit
TLV	Threshold Limit Value
REL	Recommended Exposure Limit

Disclaimer:

The information contained herein is based on data that is assumed to be correct. However, no warranty or guarantee is expressed or implied as it relates to accuracy. Clarke Minerals LLC will accept no responsibility and furthermore disclaim all liabilities associated with any harmful health effects, personal injury or property damage, which may be caused by use of this product. The users must determine the safe conditions within which to use this product and comply with all applicable health and safety laws and regulations.

----- End of Safety Data Sheet -----