



Identification of the Substance

Chemical Formula: $Mg_8(H_2O)_4[Si_6O_{16}]_2(OH)_4 \cdot 8H_2O$

Hazards Identification

Classification: These products are not dangerous.

Potential Adverse Human Health Effects: Sepiolite has no carcinogenic effects as it has been demonstrated by epidemiological, in vitro and in vivo studies.

These products may generate dust during handling and use. As any natural occurring mineral, sepiolite may contain quartz (crystalline silica). Long term overexposure to crystalline silica dust may cause silicosis. These products have very low respirable fraction and the content in respirable crystalline silica is negligible.

Potential Adverse Effects for Environment: No specific adverse are known.

Target Organs: Eyes and Skin (irritation risk). Pulmonary System (irritation and chronic risk)

Protective Measures: In case of exposure to high level of airborne dust, it is recommended the use of safety glasses and approved dust respirator. Use in well ventilated areas. Avoid breathing dust and contact with eyes.

Composition on Ingredients

Name : Sepiolite

Asbestos: free

Sepiolite is not listed as dangerous substance

First Aid Measures

Emergency Medical Treatment No special instructions are required

Special Provisions No special requirements

Eye Contact : Flush with plenty of flowing water. Seek medical attention if irritation persists.

Skin Contact : Wash off with water

Inhalation ; Allow resting in a well-ventilated area if high concentration is inhaled and mechanical irritation or discomfort occurs. Seek medical attention if irritation persists



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Ingestion Provide :symptomic treatment and seek medical attention.

SYMPTOMS AND EFFERCTS

Eye Contact :May cause irritation

Skin Contact : None expected in normal conditions

Inhalation: Mechanical Irritation

Ingestion :None expected in normal conditions

Fire – Fighting Measures

General Advice: Non flammable , non explosive.

Extinguishing Media Suitable: All extunguishing media can be used Noneto be used :
None known

Products of Combustion: Not applicable

Protection for firemen :No special requirements

Special risks :No hazardous releases in case of fire are expected

Accidental Release Measures

Personal Precautions Avoid dust formation. Avoid breathing dust and contact with eyes.
Use safety glasses and respiratory in case of high level airborne

Environmental Precautions These products are based on natural ore and no special
precautions are required

Spill Procedures Soil: Scoop up vacuum soil spillages, if appropriated, use gentle water
spray to wet down. Water: Clean up any spillage

Disposal: Place in a closed container prior to disposal. Can be landfilled in compliance
with local regulations

Handling and Storage

Precautions in handling and storage: Use good housekeeping practices to avoid generating
airbone dust. Do not breathe dust. Avoid contact with eyes

HANDLING

Technical Measures :No special requirements

Fire/ Explosion Controls :No special requirements

Advice for Safe Handling :Handle in accordance with good industrial hygiene and safety
procedures

Incompatible Products :None expected



STORAGE

Suitable storage Circumstances Store in dry area
Storage- away from No special requirements
Recommended packing materials No special requirements

Exposure Controls / Personal Protection

Exposure Controls: General ventilation. Local exhaust ventilation is recommended to keep airborne dust levels below exposure limits.

Personal Protection: Respiratory: Use air-purifying dust respirator if airborne dust concentration is above exposure limits.

Hands: No special hands protection is required in normal conditions but the use gloves is recommended

Skin: No special skin protection is required in normal conditions. Wash skin if mechanical irritation is experienced..

Eyes: Use safety glasses with side shields if large amounts of product that could generate dust is handled

Industrial Hygiene : Wash hands and other exposed areas with mild soap and water before eating, drinking, smoking, and when leaving work. Keep the working area as clean and tidy as possible.

Environmental Exposure Controls Do not allow product to reach sewage system or any watercourse.

Physical and Chemical Properties

Appearance :Off-white fiber

Odour: Odourless

Boiling Point: Not applicable

Flash Point: Not applicable

Flammability: Non-flammable

Explosive Properties: None



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Oxidising Properties: None

Vapour pressure: Not applicable

Solubility: Insoluble in water. Insoluble in fats

Partition Coefficient: Not applicable

Viscosity: Not applicable

Vapour density :Not applicable

Evaporation rate: Not applicable

Auto-Ignition Temperature: Not applicable

Stability and Reactivity

Stability Data :These products are stable in normal conditions

Hazard reactions: None expected

Conditions to avoid: No special requirements

Materials to avoid :None known

Hazardous Decomposition: No hazardous decomposition or by-products are expected

Toxicological Information

Routes of Entry: Inhalation. Ingestion

EFFECTS OF ACUTE EXPOSURE

Eye contact :May cause irritation if exposed to large amounts of dust

Skin contact: Minor skin irritation may result from physical contact

Sensitisation :No adverse effects are known

Ingestion: No adverse effects are known



Inhalation: Inhalation of high concentrations of dust may cause slight mechanical irritation

Additional Remarks :No additional remarks

EFFECTS OF CHRONIC OVEREXPOSURE

Main affects :Sepiolite has no carcinogenic effects as it has been demonstrated by epidemiological, in vitr and vivo studies.

Other Effects :No mutagenic , teratogenic or developmental toxicity effects are known

Additional Remarks: There is body of evidence supporting the fact that increased cancer risk would be limited to people already suffering from silicosis. According to the current state of the art, worker protection against silicosis can be consistently assured by respecting the existing regulatory occupational exposure limits.

Ecological Information

Ecotoxicity: No spesific adverse effects are known

Mobility: No data available

Persistence and Degradability :No data available

Bioaccumulative Potential: No data available

Other adverse effects :None known

Disposal Considerations

Methods of disposal :Dispose of in a safe manner in accordance with local/ national regulations

Contaminated Packages: Dispose of in a safe manner in accordance with local/ national regulations