**Meitler Consulting, Inc.**

16979 Chieftain Rd. Tonganoxie, KS 66086

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**MC-MCM**

**30/70 Blend by Volume of Organoclay and 6 x 30 Mesh Anthracite Coal Safety Data Sheet**

Revision Date:01/19/2021

**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

1.1 - Product Identifier

Product Name: MC-MCM

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

Use of the substance/mixture: Filtration

1.3 - Details of the supplier of the safety data sheet

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[www.mciclay.com](http://www.mciclay.com)

1.4 - Emergency telephone number

Emergency number: 1-913-422-9339

**Section 2: Hazards Identification**

2.1 - Classification of the substance or mixture

GHS-US classification

Eye Dam. 1 H318

STOT SE 3 H335

2.2 - Label Elements

GHS-US labelling

Hazard pictograms (GHS-US) 

Signal word (GHS-US): Danger

Hazard statements (GHS-US):

H318 - Causes serious eye damage

H335 - May cause respiratory irritation

Precautionary statements (GHS-US) :

P261 - Avoid breathing dust/fume/gas/mist/vapours/spray

P271 - Use only outdoors or in a well-ventilated area

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing

P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P310 - Immediately call a POISON CENTER/doctor/…

P312 - Call a POISON CENTER/doctor/…/if you feel unwell

P403+P233 - Store in a well-ventilated place, Keep container tightly closed

P405 - Store locked up

P501 - Dispose of contents/container to…..

2.3 - Other Hazards

No additional information available

2.4 - Unknown acute toxicity (GHS US) No data available

**SECTION 3: Composition/information on ingredients**

3.1 - Substances

Not applicable

3.2 - Mixture

|  |
| --- |
| **Name Product Identifier % GHS-US Classification** |
| Zeolite (CAS No.) 1318-02-1 62 - 64 STOT SE 3, H335 |
| Coal, anthracite (CAS No.) 8029-10-5 25.98 - 27.98 |
| Water (CAS No.) 7732-18-5 3.56 - 9.46 Not classified |
| N,N,N-Trimethyl-1-hexadecanaminium chloride | (CAS No.) 112-02-7 | 2.46 - 4.46 | Skin Irrit. 2, H315Eye Dam. 1, H318Aquatic Acute 1, H400 |

**SECTION 4: First aid measures**

4.1 - Description of first aid measures

First-aid measures after inhalation: Remove person to fresh air. If not breathing, administer CPR or artificial respiration. Get immediate medical attention.

First-aid measures after skin contact: If skin reddening or irritation develops, seek medical attention.

First-aid measures after eye contact: Immediately flush eyes with plenty of water for at least 15 minutes. If irritation

Persists, get medical attention.

First-aid measures after ingestion: If the material is swallowed, get immediate medical attention or advice. DO

NOT induce vomiting unless directed to do so by medical personnel.

4.2 - Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation: May cause respiratory irritation. Symptoms/injuries after skin contact: May cause skin irritation. Symptoms/injuries after eye contact: Causes serious eye irritation. Symptoms/injuries after ingestion: May be harmful if swallowed.

4.3 - Indication of any immediate medical attention and special treatment needed

No additional information available

**SECTION 5: Firefighting measures**

5.1 - Extinguishing media

Suitable extinguishing media: If involved with fire, flood with plenty of water. Unsuitable extinguishing media: None.

5.2 - Special hazards arising from the substance or mixture

Fire hazard: None known. Explosion hazard: None known.

5.3 - Advice for firefighters

Protection during firefighting: Firefighters should wear full protective gear.

**SECTION 6: Accidental release measures**

6.1 - Personal precautions, protective equipment and emergency procedures

General measures: Avoid contact with the skin and the eyes.

For non-emergency personnel: No additional information available

For emergency responders: No additional information available

6.2 - Environmental precautions

None

6.3 - Methods and material for containment and cleaning up

For containment: If possible, stop flow of product.

Methods for cleaning up: Shovel or sweep up and put in a closed container for disposal.

6.4 - Reference to other sections

No additional information available

**SECTION 7: Handling and storage**

7.1 - Precautions for safe handling

Precautions for safe handling: Avoid contact with eyes.

7.2 - Conditions for safe storage, including any incompatibilities

Storage conditions: Protect containers from physical damage. Store in a dry, cool, well-ventilated area.

7.3 - Specific end use(s)

No additional information available

**SECTION 8: Exposure controls/personal protection**

8.1 - Control parameters

**Coal, anthracite (8029-10-5)**

USA ACGIH ACGIH TWA (mg/m³) 0.4 mg/m³

8.2 - Exposure controls

Appropriate engineering controls: Local exhaust and general ventilation must be adequate to meet exposure standards.

Hand protection: Use impervious gloves. Eye protection: Safety glasses.

Skin and body protection: Wear suitable working clothes.

Respiratory protection: If airborne concentrations are above the applicable exposure limits, use NIOSH

approved respiratory protection.

**SECTION 9: Physical and chemical properties**

9.1 - Information on basic physical and chemical properties

Physical state: Solid Appearance: Irregular shaped Colour: White/black

Odour: No data available

Odour threshold: No data available

pH: No data available

Relative evaporation rate (butylacetate=1): No data available

Melting point: No data available

Freezing point: No data available

Boiling point: No data available

Flash point: No data available

Self ignition temperature: No data available

Decomposition temperature: No data available

Flammability (solid, gas): No data available

Vapour pressure: No data available

Relative vapour density at 20 °C: No data available

Relative density: 54-56 lb/ft3

Solubility: No data available

Log Pow : No data available

Log Kow : No data available

Viscosity, kinematic: No data available

Viscosity, dynamic: No data available

Explosive properties: No data available

Oxidising properties: No data available

Explosive limits: No data available

9.1 - Other information

No additional information available

**SECTION 10: Stability and reactivity**

10.1 - Reactivity

No additional information available

10.2 - Chemical stability

Stable under normal conditions.

10.3 - Possibility of hazardous reactions

Will not occur

10.4 - Conditions to avoid

None

10.5 - Incompatible materials

Strong oxidizing and reducing agents such as ozone, liquid oxygen, or chlorine.

10.6 - Hazardous decomposition products

Carbon monoxide may be generated in the event of a fire. Organic chlorides, amines, hydrogen chloride may be produced.

**SECTION 11: Toxicological information**

11.1 - Information on toxicological effects

Acute toxicity: Not classified

|  |
| --- |
| **Zeolite (1318-02-1)** |
| LD50 oral rat 5000 mg/kg |
| LD50 dermal rabbit > 2000 mg/kg |
| LC50 inhalation rat (mg/l) 2.4 mg/l (Exposure time: 1 h) |
| ATE (oral) 5000 mg/kg |

**N,N,N-Trimethyl-1-hexadecanaminium chloride (112-02-7)**

LD50 dermal rabbit 4300 uL/kg/24H;

Skin corrosion/irritation: Not classified

Serious eye damage/irritation: Causes serious eye damage.

Respiratory or skin sensitisation: Not classified

Germ cell mutagenicity: Not classified

Carcinogenicity: Not classified

**Zeolite (1318-02-1)**

IARC group 3

Reproductive toxicity: Not classified

Specific target organ toxicity (single exposure): May cause respiratory irritation.

Specific target organ toxicity (repeated exposure): Not classified

Aspiration hazard: Not classified

**SECTION 12: Ecological information**

12.1 - Toxicity

|  |
| --- |
| **Zeolite (1318-02-1)** |
| LC50 fishes 1 | 1800 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [semi-static]) |
| EC50 Daphnia 1 | 1000 - 1800 mg/l (Exposure time: 48 h - Species: Daphnia magna) |
| EC50 other aquatic organisms 1 | 18 mg/l (Exposure time: 96 h - Species: Desmodesmus subspicatus) |
| LC50 fish 2 | 3200 - 5600 mg/l (Exposure time: 96 h - Species: Oryzias latipes [semi-static]) |

12.2 - Persistence and degradability

No additional information available

12.3 - Bioaccumulative potential

No additional information available

12.4 - Mobility in soil

No additional information available

12.5 - Other adverse effects

No additional information available

**SECTION 13: Disposal considerations**

13.1 - Waste treatment methods

Waste disposal recommendations: Dispose of contents/container in accordance with local/regional/national/international regulations.

**SECTION 14: Transport information**

In accordance with DOT / ADR / RID / ADNR / IMDG / ICAO / IATA

14.1 - UN number

Not applicable

14.2 - UN proper shipping name

Not applicable

**SECTION 15: Regulatory information**

15.1 - US Federal regulations

**N,N,N-Trimethyl-1-hexadecanaminium chloride (112-02-7)**

Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2 - US State regulations

No additional information available

**SECTION 16: Other information**

Full text of H-phrases:

|  |  |
| --- | --- |
| Aquatic Acute 1 | Hazardous to the aquatic environment - Acute HazardCategory 1 |
| Eye Dam. 1 Serious eye damage/eye irritation Category 1 |
| Skin Irrit. 2 skin corrosion/irritation Category 2 |
| STOT SE 3 | Specific target organ toxicity (single exposure) Category 3 |
| H315 Causes skin irritation |
| H318 Causes serious eye damage |
| H335 May cause respiratory irritation |
| H400 Very toxic to aquatic life |

NFPA health hazard : 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt

medical attention is given.

NFPA fire hazard : 0 - Materials that will not burn.

NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water

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