



GC Chloratreat - Sodium Thiosulfate Impregnated Media

Safety Data Sheet

Revision date: 2017

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

- 1.1 - Product Identifier
Product Name: GC Chloratreat
- 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
General Carbon Corporation
33 Paterson Street
Paterson, NJ 07501
973-523-2223
www.generalcarbon.com
- 1.4 - Emergency telephone number
Emergency number: 973-523-2223

SECTION 2: Hazards Identification

- 2.1 - Classification of the substance or mixture
GHS-US classification
STOT SE 3 H335
- 2.2 - Label Elements
GHS-US labelling
Hazard pictograms (GHS-US):



Signal word (GHS-US): Warning

Hazard statements (GHS-US):

H335 - May cause respiratory irritation

Precautionary statements (GHS-US):

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

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

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

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 | 82.3 – 84.3 | STOT SE 3, H335 |
| Water | (CAS No.) 7732-18-5 | 11.7 – 13.7 | Not Classified |
| Sodium thiosulfate | (CAS No.) 7722-98-7 | 5 – 7 | Not Classified |

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: Gently wash with plenty of soap and water.
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: None under normal use.
Symptoms/injuries after eye contact: May cause slight 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: Use extinguishing media appropriate for surrounding fire.
Unsuitable extinguishing media: None.
- 5.2 - Special hazards arising from the substance or mixture
Fire hazard: None known.
Explosion hazard: None known.
Reactivity: None.
- 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. Avoid exposure to water and contaminated air, otherwise the media is rendered useless.

7.2 - Conditions for safe storage, including any incompatibilities

Storage conditions: Protect containers from physical damage. Store in 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

No additional information available

8.2 - Exposure controls

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

Hand protection: None required under normal product handling conditions

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: Irregularly shaped granules

Color: White Odor: No data available

Odor 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

Vapor pressure: No data available

Relative vapor density at 20 °C: No data available

Relative density: 59-61 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

Oxidizing 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

None.

10.2 - Chemical stability

Stable under normal conditions.

10.3 - Possibility of hazardous reactions

Will not occur

10.4 - Conditions to avoid

High Heat, as it will destroy active ingredient.

10.5 - Incompatible materials

None

10.6 - Hazardous decomposition products

Thermal decomposition above 300° C can release products of elemental sulfur

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 |

| Potassium permanganate (7722-64-7) | |
|---|--------------|
| LD50 oral rat | > 5000 mg/kg |

Skin corrosion/irritation: Not classified

Serious eye damage/irritation: Not classified

Respiratory or skin sensitization: Not classified

Germ cell mutagenicity: Not classified

Carcinogenicity: Not classified

| Zeolite (1318-02-1) | |
|----------------------------|--------------|
| IARC group 3 | 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]) |

| Potassium permanganate (7722-64-7) | |
|---|---|
| LC50 fishes 1 | 24000 mg/l (Exposure time: 96 h - Species: Gambusia affinis [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

| |
|---|
| Potassium permanganate (7722-64-7) |
| 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:

| | |
|-----------|--|
| STOT SE 3 | Specific target organ toxicity (single exposure) Category 3 |
| H335 | May cause respiratory irritation |

NFPA health hazard: 1 - Exposure could cause irritation but only minor residual injury even if no treatment 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.

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.