

GILSONITE GM-P

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	GILSONITE GM-P
Product Identifier	Natural, resinous hydrocarbon
Product Family	HTHP Filtrate Control/Shale Control
Supplier	Bri-Chem Supply Ltd., Bay 4, 5510 - 3rd Street SE, Calgary, Alberta, T2H 1J9, Bri-Chem Supply, 403-252-5904, www.brichemsupply.com
Emergency Contact Information	ChemTrec, (800) 424-9300, 24/7
Use	Drilling Fluid Additive

2. HAZARDS IDENTIFICATION

Emergency Overview Black Granules. Mild odour. CAUTION! Dust may form explosive dust/air mixture.

Potential Health Effects

Route of Exposure Skin contact; eye contact; inhalation; ingestion.

Inhalation Should not be an irritant to respiratory tract at airborne concentrations below 5 mg/m³.

Skin Contact Not available.

Eye Contact Not expected to be chemically irritating but dust in eyes may be abrasive.

Ingestion Not expected to be acutely toxic by ingestion.

Potential Environmental Effects

It is good practice to prevent releases into the environment.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Concentration %	Other Identifiers
GILSONITE	12002-43-6	100	

4. FIRST AID MEASURES

First Aid Procedures

Inhalation If respiratory irritation or discomfort is experienced, move to fresh air. If adverse symptoms develop, seek medical attention.

Skin Contact Wash with soap and water. If adverse symptoms develop, seek medical attention.

Eye Contact Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for at least 15 minutes, while holding the eyelid(s) open. If irritation or pain persists, see a doctor.

Ingestion Not required as this material should not be an acute ingestion problem.

5. FIRE FIGHTING MEASURES

Flammable Properties Can ignite if strongly heated. COMBUSTIBLE DUST. Powder may form explosive dust-air mixture. Dust explosivity limit = 20 oz/1000ft³.

Suitable Extinguishing Media Dry chemical, carbon dioxide, foam, water.

Specific Hazards Arising from the Chemical Combustion forms carbon dioxide and water vapour and may produce oxides of nitrogen. Incomplete combustion may produce carbon monoxide.

Protective Equipment and Precautions for Firefighters Firefighters must wear appropriate breathing apparatus and clothing.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Use the Personal Protective Equipment recommended in Section 8 of this MSDS. Eliminate all ignition sources. Use grounded, explosion-proof equipment.

Environmental Precautions It is good practice to prevent releases into the environment. Do not allow into any sewer, on the ground or into any waterway.

Methods for Containment and Clean-up Stop or reduce leak if safe to do so. Dike spilled product to prevent runoff. Avoid generating dust. Collect using shovel/scoop or approved HEPA vacuum and place in a suitable container for disposal.

7. HANDLING AND STORAGE

Handling Avoid generating dusts. Eliminate heat and ignition sources such as sparks, open flames, hot surfaces and static discharge. Post "No Smoking" signs. Wear personal protective equipment to avoid direct contact with this chemical.

Storage Store in an area that is: cool, dry, well-ventilated, separate from incompatible materials (see Section 10: Stability and Reactivity).

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guideline Comments (GILSONITE)
ACGIH® = American Conference of Governmental Industrial Hygienists. TLV® = Threshold Limit Value. TWA = Time-Weighted Average. 3 mg/m³
OSHA = US Occupational Safety and Health Administration. PEL = Permissible Exposure Limits. 5 mg/m³
Dusts present no more hazard than common dust. An explosive limit of 5 mg/m³ has been established for a worker who spends 8 hours in such an atmosphere. At greater levels than this, special precautions should be taken or exposure times reduced.

Engineering Controls Use a local exhaust ventilation and enclosure, if necessary, to control amount in the air.

Personal Protective Equipment (PPE)

Eye/Face Protection Wear chemical safety goggles.

Skin Protection Wear chemical protective clothing e.g. gloves, aprons and boots.
Where long-term exposure to vapours, distillates or solids, resulting from heating to temperatures above 288°C can be anticipated, protective clothing is recommended.

Respiratory Protection In the absence of proper ventilation, use of an approved dust mask is advised. Where long-term exposure to vapours, distillates or solids, resulting from heating to temperatures above 288°C can be anticipated, respiratory equipment is recommended.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice. It is good practice to: avoid breathing product; avoid skin and eye contact and wash hands after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State Solid
Appearance Black Granules.
Particle Size Not available
Odour Mild
Odour Threshold Not available

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Molecular Formula	Not available
Molecular Weight	Not available
Boiling Point	Not available
Decomposition Temperature	Not available
Melting Point	205 °C
Freezing Point	Not available
Relative Density (water = 1)	1.05 - 1.08
Bulk Density	Not available
Solubility in Water	Insoluble
Solubility in Other Liquids	Not available
pH	Not available
Partition Coefficient, n-Octanol/Water	Not available
Viscosity-Kinematic	Not available
Surface Tension	Not available
Vapour Pressure	Not available
Vapour Pressure at 50 deg C	Not available
Saturated Vapour Concentration	Not available
Critical Temperature	Not available
Vapour Density (air = 1)	Not available
Evaporation Rate	Not available
Flash Point	315 °C
Lower Flammable/Explosive Limit	Not available
Upper Flammable/Explosive Limit	Not available
Auto-ignition Temperature	Not available
Electrical Conductivity	Not available

10. STABILITY AND REACTIVITY

Chemical Stability	Normally stable.
Incompatible Materials	Strong oxidizing agents.
Hazardous Decomposition Products	Carbon dioxide, carbon monoxide, oxides of nitrogen.
Possibility of Hazardous Reactions	Hazardous polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

General Comments

No toxicological information is available. Treat as a nuisance dust.

No information was located for: Skin Irritation/Corrosion, Eye Irritation/Corrosion, Effects of Short-Term (Acute) Exposure, Effects of Long-Term (Chronic) Exposure, Respiratory and/or Skin Sensitization, Carcinogenicity, Teratogenicity / Embryotoxicity, Reproductive Toxicity, Mutagenicity, Toxicologically Synergistic Materials

12. ECOLOGICAL INFORMATION

General Comments No ecological information or environmental fate data is available.

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13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with federal, provincial and local government regulations. Containers should NOT be re-used. Containers should be disposed of in accordance with government guidelines.

14. TRANSPORT INFORMATION

Shipping Information

Not regulated under Canadian TDG Regulations.

Other Transport Information

Special Shipping Information Not applicable

15. REGULATORY INFORMATION

Canada

WHMIS Classification

Not a WHMIS controlled product.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by the Controlled Products Regulations.

16. OTHER INFORMATION

MSDS Prepared By Bri-Chem Supply Ltd

Date of Preparation February 25, 2014

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