

## GILSONITE® XM-P

### SECTION 1. IDENTIFICATION

<b>Product Identifier</b>	GILSONITE® XM-P
<b>Other Means of Identification</b>	Naturally Occuring Hydrocarbon
<b>Product Family</b>	HTHP Filtrate Control/Shale Control
<b>Recommended Use</b>	Drilling Fluid Additive.
<b>Supplier Identifier</b>	Bri-Chem Supply Ltd., Bay 4, 5510 - 3rd Street SE, Calgary, Alberta, T2H 1J9, Bri-Chem Supply, 403-252-5904, www.brichemsupply.com
<b>Emergency Phone No.</b>	ChemTrec, (800) 424-9300, 24/7

### SECTION 2. HAZARD IDENTIFICATION

#### Classification

Skin irritation - Category 3; Eye irritation - Category 2B; Specific target organ toxicity (single exposure) - Category 3

#### Label Elements



Signal Word:

WARNING!

Hazard Statement(s):

Causes mild skin irritation.

Causes eye irritation.

May cause respiratory irritation.

May cause drowsiness or dizziness.

Precautionary Statement(s):

Prevention:

Avoid breathing dust/fume/gas/mist/vapours/spray.

Wash hands and skin thoroughly after handling.

Use only outdoors or in a well-ventilated area.

Response:

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

Call a POISON CENTRE or doctor if you feel unwell.

If skin irritation occurs: Get medical advice or attention.

If eye irritation persists: Get medical advice or attention.

Storage:

Store in a well-ventilated place. Keep container tightly closed.

Store locked up.

Disposal:

Dispose of contents and container in accordance with local, regional, national and international regulations.

#### Other Hazards

May form combustible dust concentrations in air. Keep away from ignition source and do not let dust accumulate.

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### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

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

### SECTION 4. FIRST-AID MEASURES

#### First-aid Measures

##### 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 eye irritation persists, get medical advice or attention.

##### Ingestion

Not expected to be a primary route of exposure.

If conscious, dilute with 2-3 glasses of water or milk. If ingestion irritation persists: seek medical advice/attention.

### SECTION 5. FIRE-FIGHTING MEASURES

#### Extinguishing Media

##### Suitable Extinguishing Media

Dry chemical, carbon dioxide, foam, water.

#### Specific Hazards Arising from the Product

Can ignite if strongly heated. Combustible dust. Powder may form explosive dust-air mixture. Dust explosivity limit = 20 oz/1000ft<sup>3</sup>.

Combustion forms carbon dioxide and water vapour and may produce oxides of nitrogen. Incomplete combustion may produce carbon monoxide.

#### Special Protective Equipment and Precautions for Fire-fighters

Do not enter fire area without proper personal protective equipment including NIOSH approved self-contained breathing apparatus. Evacuate area and fight fire from a safe distance. Water spray may be used to keep fire-exposed containers cool.

Firefighters must wear appropriate breathing apparatus and clothing.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

#### Personal Precautions, Protective Equipment, and Emergency Procedures

Use the personal protective equipment recommended in Section 8 of this safety data sheet. 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 and Materials for Containment and Cleaning 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.

### SECTION 7. HANDLING AND STORAGE

#### Precautions for Safe Handling

Avoid generating dusts. Eliminate heat and ignition sources such as sparks, open flames, hot surfaces and static

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discharge. Post "No Smoking" signs. Wear personal protective equipment to avoid direct contact with this chemical. 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.

### Conditions for Safe Storage

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

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

(GILSONITE)

ACGIH® = American Conference of Governmental Industrial Hygienists. TLV® = Threshold Limit Value. TWA = Time-Weighted Average. 3 mg/m<sup>3</sup>

OSHA = US Occupational Safety and Health Administration. PEL = Permissible Exposure Limits. 5 mg/m<sup>3</sup>

Dusts present no more hazard than common dust. An explosive limit of 5 mg/m<sup>3</sup> 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.

### Appropriate Engineering Controls

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

### Individual Protection Measures

#### 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.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Basic Physical and Chemical Properties

<b>Appearance</b>	Brown powder. Particle Size: Not available
<b>Odour</b>	Mild
<b>Odour Threshold</b>	Not available
<b>pH</b>	Not available
<b>Initial Boiling Point/Range</b>	Not available
<b>Flash Point</b>	316 °C
<b>Evaporation Rate</b>	Not available
<b>Upper/Lower Flammability or Explosive Limit</b>	Not available (upper); Not available (lower)
<b>Vapour Pressure</b>	Not available
<b>Vapour Density (air = 1)</b>	Not available
<b>Relative Density (water = 1)</b>	1.06
<b>Solubility</b>	Insoluble in water; Not available (in other liquids)
<b>Partition Coefficient, n-Octanol/Water (Log Kow)</b>	Not available
<b>Auto-ignition Temperature</b>	500 °C
<b>Decomposition Temperature</b>	288 °C
<b>Viscosity</b>	Not available (kinematic)

### Other Information

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<b>Physical State</b>	Solid
<b>Surface Tension</b>	Not available
<b>Critical Temperature</b>	Not available
<b>Electrical Conductivity</b>	Not available
<b>Vapour Pressure at 50 deg C</b>	Not available
<b>Saturated Vapour Concentration</b>	Not available
<b>Other Physical Property 1</b>	Explosion Data: Sensitivity to Static Discharge: Gilsonite Dust in the air is classified as St-2, Strong Explosion

## SECTION 10. STABILITY AND REACTIVITY

### Chemical Stability

Normally stable.

### Possibility of Hazardous Reactions

Hazardous polymerization will not occur.

### Conditions to Avoid

Keep away from heat, sparks, flame and excessive heat above 288°C.

### Incompatible Materials

Strong oxidizing agents.

### Hazardous Decomposition Products

Carbon dioxide, carbon monoxide, oxides of nitrogen.

## SECTION 11. TOXICOLOGICAL INFORMATION

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

### Likely Routes of Exposure

Skin contact; eye contact; inhalation; ingestion.

### Skin Corrosion/Irritation

Mild skin irritation.

### Serious Eye Damage/Irritation

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

### STOT (Specific Target Organ Toxicity) - Single Exposure

#### Inhalation

Should not be an irritant to respiratory tract at airborne concentrations below 5 mg/m<sup>3</sup>.

#### Ingestion

Not expected to be acutely toxic by ingestion.

### Carcinogenicity

Not carcinogenic.

No information was located for: STOT (Specific Target Organ Toxicity) - Repeated Exposure, Respiratory and/or Skin Sensitization, Development of Offspring, Sexual Function and Fertility, Germ Cell Mutagenicity, Interactive Effects

## SECTION 12. ECOLOGICAL INFORMATION

No ecological information or environmental fate data is available.

## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal Methods

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.

## SECTION 14. TRANSPORT INFORMATION

Not regulated under Canadian TDG regulations.

**Special Precautions** Not applicable

**Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable

## SECTION 15. REGULATORY INFORMATION

**Safety, Health and Environmental Regulations**

**Canada**

**WHMIS 1988 Classification**



Class D2B

D2B - Toxic (Skin irritant; Eye irritant)

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

## SECTION 16. OTHER INFORMATION

**NFPA Rating**      **Health - 0**    **Flammability - 1**    **Instability - 0**

**SDS Prepared By**      Bri-Chem Supply Ltd

**Phone No.**              (403) 252-5904

**Date of Preparation**      August 09, 2016

**Disclaimer**              This Health and Safety information is correct to the best of our knowledge and belief at the date of its publication, but we cannot accept liability for any loss, injury or damage which may result from its use. We shall ensure, so far as is reasonably practicable, that any revision of this Data Sheet is sent to all customers to whom we have directly supplied this substance, but must point out that it is the responsibility of any intermediate supplier to ensure that such revision is passed to the ultimate user. The information given in the Data Sheet is designed only as guidance for safe handling, storage, and the use of the substance. It is not a specification nor does it guarantee any specific properties. All chemicals should be handled only by competent personnel, within a controlled environment. Should further information be required, this can be obtained through the sales office whose address is at the top of this data sheet.

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