



## 1. DESCRIPTION

**Trade Name:** OBM-FILTRATION CONTROL  
**Chemical Name:** OBM-FILTRATION CONTROL  
**Application:** Fluid Loss Controller – HPHT Fluid Loss Controller  
**Supplier:** TEAM Chemicals  
**Telephone:** +44 (0)207 408 7700 - +98 912 371 7539  
**Address:** No. 43, Souri St., 43 Ashrafi Esfahani Expressway

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT NAME	CAS NUMBER	CONTENT	EPARQ	TPQ
Gilsonite (Modified)	12002-43-6	100%	-	-

## 3. HAZARD IDENTIFICATION

### EMERGENCY OVERVIEW

CAUTION! MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION. Avoid contact with eyes, skin and clothing. Avoid breathing airborne product. Keep container closed. Use with sufficient ventilation. Wash thoroughly after handling.

### POTENTIAL ACUTE HEALTH EFFECTS

Particulates may cause mechanical irritation to the eyes, nose, throat and lungs. Particulate inhalation may lead to pulmonary fibrosis, chronic bronchitis, emphysema and bronchial asthma. Dermatitis and asthma may result from short contact periods.

### CARCINOGENICITY

- IARC: Not listed. OSHA: Not regulated. NTP: Not listed.

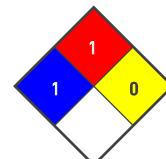
### ROUTES OF ENTRY

Inhalation. Skin and/or eye contact.

### TARGET ORGANS

Respiratory system, lungs. Skin. Eyes.

**Irritant** Yes    **Flammable** Slightly  
**Carcinogenic** No    **Oxidant** No  
**Explosive** No    **Environmental Hazard** No  
**Corrosive** No



#### 4. FIRST AID MEASURES

**Eye Contact:** This substance may cause eye irritation due to the abrasive action of the dust. The degree of the injury will depend on the amount of material that gets into the eye and the speed and thoroughness of the first aid treatment.

**Skin Contact:** This substance is not expected to cause prolonged or significant skin irritation. This hazard evaluation is based on data from similar materials.

**Inhalation:** Breathing the dust at concentrations that exceed the recommended exposure standard may be irritating to the respiratory tract. Signs and symptoms of respiratory tract irritation may include, but may not be limited to, one or more of the following: nasal discharge, sore throat, coughing, bronchitis, pulmonary edema and difficulty in breathing.

**Ingestion:** Drink a couple of glasses water or milk. Do NOT induce vomiting unless directed to

#### 5. FIRE FIGHTING MEASURES

**Extinguishing Media:** There is no restriction on the type of extinguisher which may be used.

**Fire Fighting:** Carbon dioxide (CO<sub>2</sub>). Dry chemicals. Foam. Water spray, fog or mist.

**Fire/Explosion Hazard:** Dust in high concentrations may form explosive mixtures with air.

**Fire Incompatibility:** May react with strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.

**Personal Protection:** Wear proper personal protective equipment

#### 6. ACCIDENTAL RELEASE MEASURES

##### Small Spill:

- Clean up all spills immediately. Sweep up.
- Place in suitable containers for disposal.

##### Large Spill:

- Clean up all spills immediately. Clear area of personnel.
- If exposure to workplace dust is not controlled, respiratory protection is required; wear
- SAA approved dust respirator.
- Wear impervious gloves and safety glasses



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## Material Safety Datasheet

# OBM-FILTRATION CONTROL



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## 7. HANDLING AND STORAGE

### Handling Precautions:

void generating and breathing dust.

Avoid contact with eyes.

Avoid physical damage to containers.

### Storage Precautions:

Store at moderate temperatures in dry, well-ventilated area.

Keep in original container.

Avoid storage with oxidizers..

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### EXPOSURE CONTROLS

INGREDIENT NAME	CAS NUMBER	CONTENT	EPARQ	TPQ
Gilsonite (Modified)	12002-43-6	5	3	Mg/m <sup>3</sup> resp.dust

### PERSONAL PROTECTION

**RESPIRATOR** Supply natural or mechanical ventilation adequate to exhaust airborne product and keep exposures below the applicable limits.

### EYE

Wear dust resistant safety goggles where there is danger of eye contact.

### HAND/FEET

Use suitable protective gloves if risk of skin contact

### OTHER

Wash promptly with soap and water if skin becomes contaminated. Change work clothing daily if there is any possibility of contamination.

### ENGINEERING CONTROLS

No exposure limits noted for ingredient(s). Exposure limits are for Particulates Not Otherwise Classified (PNOC). Use appropriate engineering controls such as, exhaust ventilation and process enclosure, to reduce air contamination and keep worker exposure below the applicable limits.



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## 9. PHYSICAL & CHEMICAL PROPERTIES

**Physical State and Appearance:** Powder

**Color:** Black

**Odor:** Characteristic

**pH:** NA

**Boiling Point:** NA

**Melting/Freezing Point:** 275 – 400 °F (135 - 205°C)

**Specific Gravity:** 1-1.1

**Solubility (Water):** Insoluble in water

## 10. STABILITY & REACTIVITY

**Chemical Stability:** Normally stable

**Conditions to Avoid:** Avoid heat

**Materials to Avoid:** Strong oxidizing agents

**Special Remarks on Reactivity:** Not Defined

**Special Remarks on Corrosivity:** Not Defined

## 11. TOXICOLOGICAL INFORMATION

No significant health effects were observed in a chronic feeding study conducted for the National Toxicology Program (NTP) where mice and rats were fed diets containing either 2% or 4% Gilsonite for their lifetimes.

In another study, 10% Gilsonite in benzene applied 3 times a week for

80 weeks to the skin of mice caused no increase in skin cancer over what was observed in the control group.

Gilsonite distilled at approximately 2500 F and dissolved in benzene was a carcinogenic when applied 3 times a week for 80 weeks to the skin of mice.

Although Gilsonite is not a carcinogen, processes in which Gilsonite is brought to very high temperatures may alter its complex hydrocarbon structure and may produce carcinogenic substances.

A sample of Gilsonite heated to 550 F and cooled was not found to be mutagenic in the Ames assay. A sample heated to 650 F and allowed to cool was found to be mutagenic.



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## 12. ECOLOGICAL INFORMATION

Not available. Refer to individual constituents.

**ECOLOGICAL INFORMATION:** Contact TEAM Environmental Affairs for ecological data.

## 13. DISPOSAL CONSIDERATION

### WASTE MANAGEMENT:

According to the European Waste Catalogue, Waste Codes are not product specific but application specific. Waste Codes should be assigned by the User based on the application in which the product is used

**DISPOSAL METHODS:** - Recycle wherever possible or consult manufacturer for recycling options.

- Consult State Land Waste Management Authority for disposal.

## 14. TRANSPORT INFORMATION

**U.S. DOT** NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS:ADR, IATA, IMDG

**U.S. DOT CLASS:** Not Regulated

**Shipping Description:** Not Regulated

## 15. REGULATORY INFORMATION

INGREDIENT NAME	CAS NUMBER	CONTENT
Gilsonite (Modified)	12002-43-6	TSCA: No CERCLA:No SARA 302:No SARA 313:No DSL (CAN):YES

**Poisons Schedule (SUSMP):** None

This Product or its components, if a mixture, is subject to following regulations (Not meant to be all inclusive - selected regulations represented):

SECTION 313: This product does not contain toxic chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR Part 372.

SARA 311 Categories: 1:

Immediate (Acute) Health Effects.

The components of this product are listed on or are exempt from the following international chemical registries: TSCA (U.S.)



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### 16. ADDITIONAL INFORMATION

Yearly Revised Primary MSDS

Update in Toxicological Information

Update in Ecological Information

This MSDS summaries to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. TEAM cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material.



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The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. TEAM Chemicals and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product.

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