

SAFETY DATA SHEET

Trade name: Master Black Blend[®]

Revised: 5/29/2015

SECTION 1: Identification of the substance/mixture and of the company/undertaking**Trade name:** Master Black Blend[®]**Supplied by:** Mud Masters Group, Inc.
4071 Woodland Hwy
New Orleans, LA 70131**Telephone:** (432) 687-1171**Emergency:** CHEMTREC 1-800-424-9300**Intended use:** Drilling fluid additive**SECTION 2: Hazards identification****Emergency overview****Physical state:** liquid**Color:** black**Odor:** slight**EMERGENCY OVERVIEW:****CAUTION! MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.**

Avoid contact with eyes, skin and clothing. Avoid breathing airborne particulates. Keep container closed. Use with adequate ventilation. Wash thoroughly after handling. Dike and contain spills. Keep out of sewers and waterways. No significant immediate hazards for emergency response personnel are known.

**HEALTH HAZARDS, GENERAL:****ACUTE EFFECTS:**

Particulates may cause mechanical irritation to the eyes, nose, throat and lungs.

INHALATION: May be irritating to the respiratory tract if inhaled.

INGESTION: May cause gastric distress, nausea and vomiting if ingested.

SKIN: May be irritating to the skin.

EYES: May be irritating to the eyes.

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CHRONIC EFFECTS:

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

ROUTE OF ENTRY: Inhalation. Skin and/or eye contact.

TARGET ORGANS: Respiratory system, lungs. Skin. Eyes.

SECTION 3: Composition/information on ingredients

Chemical Name	CAS-No.	Concentration*
†Glycol-Based Gilsonite	009082-00-2/12002-43-6	100%

* All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

† This chemical is hazardous according to OSHA/WHMIS criteria.

SECTION 4: First aid measures

GENERAL: Persons seeking medical attention should carry a copy of this SDS with them.

INHALATION: Move the exposed person to fresh. If symptoms persist seek medical attention.

INGESTION: Drink a couple of glasses water or milk. Do NOT induce vomiting unless directed to do so by a physician. Never give anything by mouth to an unconscious person. Get medical attention.

SKIN: Wash skin thoroughly with soap and water. Remove contaminated clothing. Get medical attention if any discomfort continues.

EYES: Promptly wash eyes with potable water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

SECTION 5: Fire-fighting measures

FLASH POINT (°F): 430

METHOD USED: PMCC, ASTM D93

EXTINGUISHING MEDIA: Water fog, Co₂, dry chemical

SPECIAL FIRE FIGHTING PROCEDURES:

Wear positive-pressure, self-contained breathing apparatus (SCBA) and protective firefighting clothing (including firefighting helmet, coat, pants, boots, and gloves). If protective equipment is not available or not used, fight fire from a protected location or safe distance.

UNUSUAL FIRE & EXPLOSION HAZARDS: None known.

HAZARDOUS COMBUSTION PRODUCTS: Irritating gases/vapors/fumes. Oxides of: Carbon and Nitrogen.

SECTION 6: Accidental release measures

PERSONAL PRECAUTIONS: Wear proper personal protective equipment (see SDS Section 8).

SPILL CLEAN-UP PROCEDURES:

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Dike, contain, vacuum liquids, and shovel contaminated soil into disposal containers. Cover and move the containers. Flush the area with water. Do not contaminate drainage or waterways. Repackage or recycle if possible

SECTION 7: Handling & storage

Handling: See Section 8 of the MSDS for Personal Protective Equipment.

Storage: Store away from oxidizers.

SECTION 8: Exposure controls/personal protection

INGREDIENT COMMENTS: No exposure limits noted for ingredient(s). Exposure limits are for Particulates Not Otherwise Classified (PNOC).

ENGINEERING CONTROLS:

Use appropriate engineering controls such as, exhaust ventilation and process enclosure, to reduce air contamination and keep worker exposure below the applicable limits.

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

PROTECTIVE EQUIPMENT:

RESPIRATORS: No respiratory hazard in liquid form. Dry dust-wear dust mask or half face respirator with particulate filter.

PROTECTIVE GLOVES: Use impermeable gloves if risk of skin contact.

EYE PROTECTION: Wear splash goggles where there is danger of eye contact.

PROTECTIVE CLOTHING: Wear appropriate clothing to prevent repeated or prolonged skin contact.

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

SECTION 9: Physical and chemical properties

Color: black

Odor: slight

Physical State: Liquid

Specific Gravity: 1.08

Solubility in Water: 100%

Solubility (Other): 100%

SECTION 10: Stability and reactivity

STABILITY: Normally stable.

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CONDITIONS TO AVOID: Avoid excessive heat.

HAZARDOUS POLYMERIZATION: Will not polymerize.

POLYMERIZATION DESCRIPTION: Not relevant.

MATERIALS TO AVOID: Strong oxidizing agents.

SECTION 11: Toxicological information

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.

SECTION 12: Ecological information

Ecotoxicity: No data available.

Other Adverse Effects: No data available.

SECTION 13: Disposal considerations

General Information: Do not discharge into drains, water courses or onto the ground. Discharge, treatment, or disposal may be subject to national, state, or local laws. Empty containers may contain product residues.

Disposal Methods: Dispose of according to local, state and federal regulations for gilsonite and polyether polyol.

Container: Since emptied containers retain product residue, follow label warnings even after container is emptied.

SECTION 14: Transport information

DOT Not regulated.

TDG Not regulated.

IATA Not regulated.

IMDG Not regulated.

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SECTION 15: Regulatory information

REGULATORY STATUS OF INGREDIENTS:

NAME: CAS No: TSCA: CERCLA: SARA 302: SARA 313: DSL(CAN): Gilsonite 12002-43-6

US FEDERAL REGULATIONS:

WASTE CLASSIFICATION: Not a hazardous waste by Iran. ISIRI criteria.

REGULATORY STATUS: 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.

STATE REGULATORY STATUS: This product or its components, if a mixture, is subject to following regulations (Not meant to be all inclusive - selected regulations represented): None.

PROPOSITION 65: This product does not contain chemicals considered by the State of California's Safe Drinking Water and Toxic Enforcement Act of 1986 as causing cancer or reproductive toxicity, and for which warnings are now required.

CANADIAN REGULATIONS:

REGULATORY STATUS: This Material Safety Data Sheet has been prepared in compliance with the controlled product regulations. Canadian WHMIS Classification: Not a Controlled Product. GILSONITE

SECTION 16: Other information

Hazard Ratings:

	Health Hazard	Fire Hazard	Instability	Special Hazard
NFPA	1	1	0	None

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe

	Health Hazard	Flammability	Physical Hazard	Personal Protection
HMIS	1	1	0	See section 8 above

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe

DISCLAIMER:

Although the information and recommendations set forth herein (hereinafter "Information") are presented in good faith and believed to be correct as of the date hereof, the Company makes no representations as to the completeness or accuracy thereof. Information is supplied upon the condition that

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the persons receiving this SDS will make their own determination as to its suitability for their intended purpose prior to use. Since the product is within the exclusive control of the user, it is the user's obligation to determine the conditions of safe use of this product. Such conditions should comply with all Federal Regulations concerning the Product.