

# Material Safety Data Sheet

## Black Magic

### I. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Black Magic **Date Revised:** 7/2010  
**Chemical Name:** Drilling Fluid Spotting Agent  
**Chemical Description:** Diesel, Fatty Acid & Asphalt Blend

#### Supplier:

**NOV FluidControl**  
 4310 N. Sam Houston Parkway E  
 Houston, TX 77032  
 Office: (713) 482-0500  
 Fax: (713) 482-0695  
 Company website: [www.nov.com](http://www.nov.com)

#### Emergency Telephone Number:

**CHEMTREC: 1-800-424-9300 or International +1-703-527-3887**

### II. HAZARDOUS INGREDIENTS

<u>Hazardous Components:</u>	<u>ACGIH TLV:</u>	<u>OSHA PEL:</u>	<u>CAS #:</u>	<u>%</u>
Diesel Fuel #2, Petroleum Distillates (Naphtha)*	300 ppm T	400 ppm T	68476-34-6	Prop.
Asphalt (Petroleum) Fumes	5 Mg/M3 T	Not Estab.	8052-42-4	Prop.
Calcium Hydroxide	5 Mg/M3 T	5 Mg/M3 T	1305-62-0	N/A

\* Manufacturer's Recommended TLV: 100 PPM T

#### Hazards Associated with Product Use:

Combustible Liquid (x)      Sensitizer (x)      Eye Hazard (x)  
 Skin Hazard (x)      Nervous System Toxin (x)      Irritant (x)

#### Community Right to Know (SARA Title III Section 311-312)

Fire (x)      Sudden Release of Pressure:  
 Reactivity: Immediate (Acute) (x)      Delayed (Chronic): (x)

### III. PHYSICAL DATA

Boiling Point (F): ~257	Vapor Pressure (mmHg): ~2 mmHg
Ph: ND	Melting Point (F): N/A
Vapor Density (Air= 1) : >1	Specific Gravity: >1.0
Freezing Point (F): ND	Solubility In Water: Insoluble
Percent Volatile by Volume: ND	Odor Threshold: Low
Appearance: Black	Odor: Aromatic
Evaporation Rate: ND	Coefficient Of Water/Oil Distribution: Insoluble In Water
Material Is: Mix-Liquid	

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### **IV. FIRE & EXPLOSION DATA**

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**Flash Point:** 140°F (TCC)  
**Auto Ignition Temperature:** >400°F  
**Explosive Limit:** Lower: ND Upper: ND  
**Extinguishing Media:** Water, Carbon Dioxide, Foam, or dry chemical

**Hazardous Combustion Products:**  
Upon Combustion, Product Forms Oxides Of Carbon, Nitrogen And Sulfur, Producing Toxic Fumes.

**Fire Fighting Procedures:**  
Wear Positive Pressure Self-Contained Breathing Apparatus When Fighting Fires In Enclosed Or Confined Areas. Treat As A Kerosene Fire.

**Unusual Fire and Explosion Hazards:**  
For Spills, Treat As In Handling Diesel Fuel Oil.

### **V. REACTIVITY DATA**

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**Chemically Stable:**  
Yes: X No:

**Conditions to Avoid:**  
Heat, Sparks & Open Flames.

**Incompatibility (Materials to Avoid):**  
Strong Oxidizing Agents, Caustics & Strong Acids.

**Hazardous Decomposition On Byproducts:**  
Product Will Not Readily Decompose.

**Hazardous Polymerization:**  
May Occur: Will Not Occur: X

### **VI. HEALTH HAZARD INFORMATION**

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**Primary Exposure Route:** Skin Contact: X  
Skin Absorption:  
Eye Contact: X  
Inhalation: X Ingestion:

**Product Carcinogenicity:** NTP: NO IARC: NO

**Acute Effects of Overexposure:**  
Product Irritates Skin, Mucous Membranes And The Respiratory System. Repeated Exposure May Cause Dermatitis. Inhalation May Cause Nervous System Effects Including Dizziness, Headaches, Nausea, Or Blurred Vision. Aspiration May Cause Serious Lung Damage.

**Chronic Effects of Overexposure:**  
May Be Harmful If Inhaled Over A Long Period Of Time. Lifetime Skin Painting Studies With Diesel Produced Carcinogenic Tumors In Laboratory Animals. Chronic Exposures May Cause Allergic Skin And Respiratory Reactions.

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### **VII. EMERGENCY / FIRST AID PROCEDURES**

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**Eyes:** Hold Eyelids Apart and Flush with Running Water for At Least 15 Minutes. If Irritation Persists Repeat Procedure And Contact A Physician.

**Skin:** Wash Thoroughly With Mild Soap And Water. Seek Medical Attention If A Rash Or Skin Irritation Persist.

**Ingestion:** Give Fluids to Dilute. Consult A Physician. Induce Vomiting Only At Direction of A Physician. Aspiration During Vomiting May Cause Dangerous Lipoid Pneumonia In The Lungs.

**Inhalation:** Remove To Fresh Air If Not Breathing, Give Artificial Respiration. If Breathing Is Difficult, Give Oxygen.

### **VIII. ENVIRONMENTAL PROTECTION PROCEDURES**

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**Spill Response:**

Contain area of spill. Cover with absorbent materials such as sand, earth, or vermiculite. Shovel into an approved waste container and dispose of. Keep out of sewers and waterways.

**Waste Disposal Method:**

Dispose of in accordance with local, state and federal regulations. Discharge of this material into United States waters may cause a sheen which constitutes a violation of the clean water act.

**Handling:**

Warning! Harmful or fatal if swallowed. Product is an irritant do not get in eyes, on skin or on clothing. Avoid inhaling vapors/mists. Wear proper protective equipment stated in the MSDS.

**Storage:**

Store in a cool area away from heat, sparks and open flames. Keep container closed when not in use. Use with adequate ventilation. When empty, drain thoroughly and replace bungs securely. Do not pressurize, cut or drill empty containers with residues.

### **IX. PERSONAL PROTECTION / CONTROL MEASURES:**

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**Respiratory protection:** Wear an approved organic vapor respirator for petroleum vapors or mists.

**Ventilation:** Use adequate local exhaust or mechanical ventilation that insures compliance with exposure limits.

**Clothing:** Wear long protective clothing with impervious aprons or coveralls for added protection.

**Eyewear:** Use safety goggles with an optional face shield while handling the product.

**Gloves:** Wear neoprene or butyl rubber gauntlets to prevent contact.

**Footwear:** Wear rubber safety boots.

### **X. SHIPPING INFORMTION:**

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Proper Shipping Description: Combustible Liquid, N.O.S. (Contains Diesel)

Hazard Class: COMB. LIQUID, PG III NA Number: 1993 Hazard Label: NA DOT Response Guide: 27

Transportation Note: NA

**Black Magic****Material Safety Data Sheet****XI. OTHER INFORMATION**

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**Abbreviation Key:**

ND: Not Determined  
T : Total Dust  
C: Ceiling Limit

N/A: Not Applicable  
R: Respirable Fraction

**HMIS Hazard Rating:**

Health: 2      Flammability: 2      Reactivity: 0      Personal Protection: H

**HMIS Key:** Minimal : 0    Slight: 1    Moderate: 2    Serious: 3    Severe: 4

**DISCLAIMER:**

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For further information contact:

**NOV FluidControl**  
4310 N Sam Houston Parkway East  
Houston, Texas 77032 USA  
Office: (713) 482-0500  
Fax: (713) 482-0695  
Company website: [www.nov.com](http://www.nov.com)