

## MATERIAL SAFETY DATA SHEET

### NFS-BLACKSEAL®

#### I. PRODUCT AND COMPANY IDENTIFICATION

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**Product Name:** NFS-BLACKSEAL® **Date Prepared:** April 1, 2009  
**Chemical Name:** Blend  
**Chemical Family:** Proprietary blend of carbon, natural fibers, and minerals

**Supplier:** New Fluid Solutions, Inc.  
6161 Savoy Ste 248  
Houston, TX 77036  
Information Telephone: 713-780-3600  
Emergency Telephone: CHEMTREC 800-424-9300  
www.newfluid.com

#### II. COMPOSITION

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Material or Component	CAS Number	OSHA PEL	Percentage
Carbon Black	1333-86-4	3.5 mg/m <sup>3</sup>	1-5%
Graphite	7782-42-5	ACGIH PEL 2 mg/m <sup>3</sup>	10-30%

Nuisance Dust exposure limits: OSHA PEL for graphite is 15 mg/m<sup>3</sup> as total dust; 5 mg/m<sup>3</sup> as respirable fraction

#### III. HAZARDS IDENTIFICATION

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##### Immediate Health Effects

Product may be irritating to eyes, skin and upper respiratory tract.

- Eyes:** May cause eye irritation.
- Skin:** May be irritating to the skin.
- Ingestion:** Not anticipated route of exposure. May cause gastric irritation.
- Inhalation:** May cause irritation to mucous membranes and upper respiratory tract.

##### Chronic Health Effects

None known. The components of this product are not known to cause target organ effects. Not listed as carcinogen by IARC, NTP, or OSHA.

#### IV. FIRST AID MEASURES

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- Eyes:** Remove contact lenses if worn. Flush thoroughly with large amounts of running water for at least 15 minutes. Get medical attention if irritation develops.
- Skin:** Wash exposed area with soap and water. Remove contaminated clothing and wash before reuse. Get medical attention if irritation develops.
- Ingestion:** Wash out mouth with water. Give large quantities of water to drink. Get medical attention if symptoms develop.
- Inhalation:** Remove person to fresh air. Get medical attention for any breathing difficulty.

## V. FIRE AND EXPLOSION DATA

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**Flashpoint:** Not applicable  
**Flammable Limits:** Not applicable  
**Extinguishing Media:** Water spray, CO<sub>2</sub>, dry chemical or foam  
**Special Fire Fighting Procedures:** Evacuate all unnecessary personnel. Wear appropriate safety equipment for fire conditions. Firefighters should wear self-contained breathing apparatus.

## VI. ACCIDENTAL RELEASE MEASURES

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**Release or Spill** Contain, collect and place in suitable container for reuse or disposal.

**Personal Precautions** Wear appropriate protective equipment. Avoid breathing dust.

**Environmental Precautions** Keep out of sewers and waterways.

## VII. HANDLING AND STORAGE

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**Handling** Handle only in well ventilated areas. Avoid breathing dust. Avoid prolonged or repeated exposure. Wear protective clothing and work gloves.

**Storage** Store in a cool dry place. Keep away from oxidizing agents.

## VIII. EXPOSURE CONTROL/PERSONAL PROTECTION

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**Airborne Exposure Limits:** Nuisance Dust exposure limit: OSHA PEL 15 mg/m<sup>3</sup> as total dust, 5 mg/m<sup>3</sup> as respirable fraction. Carbon Black exposure limit: 3.5 mg/m<sup>3</sup>. ACGIH Graphite exposure limit is 2 mg/m<sup>3</sup>.

**Ventilation Requirements:** If handled in a confined space, local exhaust and ventilation system is recommended to control below recommended exposure levels.

**Respiratory Protection:** Use NIOSH/MSHA approved dust respirator if exposure limits are exceeded.

**Eye Protection:** Use safety glasses with side shield. Maintain eye wash station in work area.

**Skin Protection:** Use long-sleeved clothing and work gloves.

## IX. PHYSICAL AND CHEMICAL PROPERTIES

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**Physical State** Powder  
**Color** Black  
**Odor** None  
**pH** 6.5 – 9.5 (1% solution)  
**Specific Gravity** 1.6  
**Bulk Density** 39-47 lbs/cu.ft.  
**Boiling Point** Not applicable  
**Flash Point** Not applicable  
**Autoignition Temp.** Not determined  
**Explosion Limits (%)** Not determined  
**Solubility in Water** Dispersible  
**Vapor Density (Air=1)** Not applicable

## X. STABILITY AND REACTIVITY

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**Stability:** Stable under normal conditions of use and storage.

**Materials to Avoid:** Oxidizing agents, acids.

**Hazardous Polymerization:** Will not occur.

**Hazardous Decomposition:** Oxides of carbon, nitrogen oxides when involved in fire.



**XI. TOXICOLOGICAL INFORMATION**

No acute toxicity data is available for product. Ingredients are not listed as carcinogenic by IARC, OSHA or NTP.

**XII. ECOLOGICAL INFORMATION**

No ecological information is available on this product. Keep out of waterways and sewers.

**XIII. DISPOSAL**

Dispose of in accordance with all local, state and federal regulations. Note: If this product is altered, it is the responsibility of the user to determine whether the material meets the criteria for hazardous waste at the time of disposal.

**XIV. TRANSPORTATION INFORMATION**

<b>UN Proper Shipping Name:</b>	Not regulated as hazardous
<b>UN Label:</b>	None
<b>UN Identification Number</b>	None
<b>Hazardous Ingredients</b>	None
<b>Placards</b>	None
<b>Reportable Quantity</b>	None

**XV. REGULATORY INFORMATION**

<b>CERCLA:</b>	Not subject to reporting.
<b>TSCA Listed:</b>	Yes
<b>SARA Title III Section 302</b>	Not listed
<b>SARA Title III Section 311/312</b>	No
<b>SARA Title III Section 313</b>	No

**XVI. OTHER INFORMATION**

**NFPA Hazard Codes:** Health: 1; Flammability: 0; Reactivity: 0, Special Hazards:

**NFS-BLACKSEAL® is a trademark of New Fluid Solutions, Inc.**

Revision 01 Date 3/7/08

Revision 02 Date 4/1/09

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