



MATERIAL SAFETY DATA SHEET

NFS-LUBRACAPSULE™

I. PRODUCT AND COMPANY IDENTIFICATION

Product Name: NFS-LUBRACAPSULE™ **Date Prepared:** March, 2007
Chemical Name: Glycols and Vegetable Ester Derivative Blend
Chemical Family: Drilling Fluid Lubricant

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

Material or Component	CAS Number	OSHA PEL	Percentage
Glycols and Vegetable Ester Derivative Blend	NA	NA	100%

III. HAZARDS IDENTIFICATION

Immediate Health Effects

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

- Eye:** Causes irritation, experienced as discomfort or pain, excess blinking and tear production with marked excess redness and swelling of the conjunctiva.
- Skin:** May cause minor irritation with itching and possibly slight local redness. Prolonged or repeated contact may cause reddening, itchiness, a burning sensation, and possibly drying and flaking of the skin.
- Ingestion:** The product can directly enter the lungs if swallowed, or if subsequently vomited. Once in the lungs it is very difficult to remove and can cause severe injury or death.
- Inhalation:** Short-term harmful health effects are not expected from vapor generated at ambient temperature.

Chronic Health Effects

None Known

IV. FIRST AID MEASURES

- Eyes:** Remove contact lenses if worn. Wash thoroughly with large amounts of running water for at least 15 minutes. Get medical advice if irritation develops.
- Skin:** Wash exposed area with soap and water. Remove contaminated clothing and wash before reuse. Get medical advice if irritation develops.
- Ingestion:** If large amounts were ingested, give water to drink. Do not induce vomiting. Get medical advice.

Inhalation: Remove person to fresh air. Get medical attention for any breathing difficulty.

V. FIRE AND EXPLOSION DATA

Flashpoint: >250°C (ASTM D-96)

Flammable Limits: n/a

Extinguishing Media: water, dry chemical, foam C02

Special Fire Fighting Procedures: Evacuate all unnecessary personnel. Wear appropriate safety equipment for fire conditions including SCBA.

Unusual Fire and Explosion Hazard: None

VI. ACCIDENTAL RELEASE MEASURES

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

Personal Precautions Wear appropriate protective equipment.

Environmental Precautions Keep out of sewers and waterways.

VII. HANDLING AND STORAGE

Handling Handle only in well ventilated area.

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

VIII. EXPOSURE CONTROL/PERSONAL PROTECTION

Airborne Exposure Limits None known

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

Respiratory Protection: Use NIOSH approved air-purifying respirator

Eye Protection: Wear safety glasses with side shields. Maintain eye wash station in work area.

Skin Protection: Use long-sleeved clothing and gloves.

IX. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Color	Light brown to yellow
Odor	Slight
pH	Not determined
Specific Gravity	0.9 g/cc
Boiling Point	Not determined
Flash Point	>250°C (ASTM D-96)
Explosion Limits (%)	Not applicable
Solubility in Water	Insoluble
Vapor Density (Air=1)	Not applicable

X. STABILITY AND REACTIVITY

Stability Stable under normal conditions of use and storage.

Materials to Avoid Strong oxidizers, acids and excessive heat.

Hazardous Polymerization Will not occur.

Hazardous Decomposition None.



XI. TOXICOLOGICAL INFORMATION

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

XII. ECOLOGICAL INFORMATION

No ecotoxicity data is available.

XIII. DISPOSAL

Dispose of material in accordance with all local, state and federal regulations.

XIV. TRANSPORTATION INFORMATION

UN Proper Shipping Name:	Not regulated as hazardous by DOT
UN Label:	None
UN Identification Number	None
Hazardous Ingredients	None
Placards	None
Reportable Quantity	None

XV. REGULATORY INFORMATION

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

XVI. OTHER INFORMATION

NFPA Hazard Codes: Health: 1; Flammability: 0; Reactivity: 0; Special hazards: 0

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