



MATERIAL SAFETY DATA SHEET

NFS-SHALECAPSULE™

I. PRODUCT AND COMPANY IDENTIFICATION

Product Name: NFS-SHALECAPSULE™ **Date Prepared:** March, 2007
Chemical Family: Blend
Chemical Name: KCl Substitute

Supplier: New Fluid Solutions, Inc.
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Houston, TX 77036
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II. COMPOSITION

Material or Component	CAS Number	OSHA PEL	Percentage
No Regulated Hazardous Ingredients			100%

III. HAZARDS IDENTIFICATION

Immediate Health Effects

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

Eyes: Irritating to the eyes. Symptoms may include stinging, tearing, redness and swelling.

Skin: May be irritating to the skin with repeated or prolonged contact. Can cause allergic contact dermatitis in susceptible individuals.

Ingestion: Not anticipated route of exposure. May cause gastric irritation if ingested in large quantities.

Inhalation: Prolonged inhalation of mist or vapor can be irritating to the respiratory tract.

Chronic Health Effects: None known. Not listed as carcinogen by IARC, NTP, or OSHA.

IV. FIRST AID MEASURES

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: If large amounts were ingested, give water to drink and get medical advice.

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

V. FIRE AND EXPLOSION DATA

Flash Point/Range: >325°F
Flammability Limits: No data available



Fire Extinguishing Media: Water, carbon dioxide, dry powder or foam
Special Fire Fighting Procedures: Evacuate all unnecessary personnel. Wear appropriate safety equipment for fire conditions including SCBA.

VI. ACCIDENTAL RELEASE MEASURES

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

Personal Precautions For large indoor spills evacuate employees and ventilate area. Eliminate all sources of spark or flame. Wear protective equipment.

Environmental Precautions This product is toxic to fish. Prevent flow/discharge into lakes, ponds, streams, waterways or public water supplies.

VII. HANDLING AND STORAGE

Handling: Handle only in well ventilated area. Avoid breathing mists or vapors.

Storage: Store in a cool, dry, ventilated area. Use good housekeeping in storage and work areas. Keep away from oxidizing agents.

VIII. EXPOSURE CONTROL/PERSONAL PROTECTION

Airborne Exposure Limits: No occupational exposure limits are established for any component of product.

Ventilation Requirements: A system of local and/or general exhaust is recommended if handled in a confined area or where vapors, mists or aerosols may be released.

Respiratory Protection: Respiratory protection is not normally needed under typical use and handling conditions. If vapors, mists or aerosols are generated a NIOSH approved or equivalent respirator is recommended.

Skin Protection: Wear impermeable gloves, boots, and apron and face shield with chemical splash goggles. A full slicker suit is recommended if gross exposure is possible. Launder contaminated clothing before reuse.

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

Other Precautions: As appropriate for work area.

IX. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Color	Clear
Odor	Mild
Specific Gravity	1.01-1.1
pH	6.5-7.5 (neat)
Viscosity:	~25 cst @ 100°F
Density	9.2
Boiling Point	220°F
Flash Point	>325°F (TCC)
Explosion Limits (%)	Not determined
Solubility in Water	Soluble
Vapor Density (Air=1)	>1.0
Vapor Pressure:	5 mm HG @ 100°F
Evaporation Rate	1.7 (butyl acetate = 1.0)

X. STABILITY AND REACTIVITY

Stability: Stable under normal conditions of use and storage.
Materials to Avoid: Excessive heat and strong oxidizers.
Hazardous Polymerization: Will not occur.
Hazardous Decomposition: In the event of combustion oxides of carbon and oxides of nitrogen may be formed. Do not breathe smoke or fumes. Wear suitable protective equipment.

XI. TOXICOLOGICAL INFORMATION

No acute toxicity data is available for product or components.
Cancer Status: Not listed as carcinogen by IARC, NTP, or OSHA.

XII. ECOLOGICAL INFORMATION

Product is toxic to fish.

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 material.
UN Label: None
UN 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

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