

# MATERIAL SAFETY DATA SHEET



## NEW-DRILL

Drilling Fluids

### 1. Product and Company Identification

**Material name** NEW-DRILL  
**Chemical description** Anionic Polyacrylamide Copolymer Emulsion  
**Applications** Shale Stabilizer  
**Supplier** Baker Hughes Drilling Fluids  
2001 Rankin Rd.  
Houston, TX 77073  
Emergency telephone number 713-439-8900

### 2. Composition / Information on Ingredients

Components	CAS #	Percent
PETROLEUM DISTILLATES, HYDROTREATED LIGHT	64742-47-8	20 - 40
Non-hazardous and other components below reportable levels		60 - 80

**Composition comments** This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

### 3. Hazards Identification

**Emergency overview** May be ignited by heat, sparks or flames. Harmful: may cause lung damage if swallowed. Contact with skin can cause irritation and allergic reaction (sensitization) in some individuals.

**Potential health effects**

**Routes of exposure** Ingestion. Inhalation.

**Eyes** Contact with eyes may cause irritation.

**Skin** Substance causes moderate skin irritation.

**Inhalation** Do not breathe vapor. May cause breathing disorders and lung damage.

**Ingestion** Harmful: may cause lung damage if swallowed.

### 4. First Aid Measures

**First aid procedures**

**Eye contact** Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation develops or persists.

**Skin contact** Remove and isolate contaminated clothing and shoes. Wash off with soap and water. Launder contaminated clothing before reuse. Get medical attention if irritation develops or persists.

**Inhalation** Move to fresh air. If breathing is difficult, give oxygen. Call a physician if symptoms develop or persist.

**Ingestion** If swallowed, seek medical advice immediately and show this container or label. Do not induce vomiting without medical advice.

**Notes to physician** Symptoms may be delayed.

**General advice** Keep victim warm. Keep victim under observation. If you feel unwell, seek medical advice (show the label where possible).

### 5. Fire Fighting Measures

**Extinguishing media**

**Suitable extinguishing media** Water spray, dry chemical, carbon dioxide.

**Protection of firefighters**

**Protective equipment for firefighters** Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask. Move containers from fire area if you can do it without risk.

### 6. Accidental Release Measures

**Evacuation procedures** Stay upwind. Keep out of low areas. Keep unnecessary personnel away. Local authorities should be advised if significant spillages cannot be contained.

<b>Environmental precautions</b>	Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system.
<b>Methods for cleaning up</b>	Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

## 7. Handling and Storage

<b>Handling</b>	Do not breathe gas/fumes/vapor/spray. Avoid contact with skin and eyes. Wash hands after handling and before eating.
<b>Storage</b>	Keep away from heat, sparks, and flame. Keep containers tightly closed in a dry, cool and well-ventilated place.

## 8. Exposure Controls / Personal Protection

<b>Engineering controls</b>	Provide local and general exhaust ventilation to effectively remove and prevent buildup of any vapors or mists generated from the handling of this product.
<b>Personal protective equipment</b>	
<b>Eye / face protection</b>	Wear safety glasses with side shields (or goggles) and a face shield.
<b>Skin protection</b>	Use of protective coveralls and long sleeves is recommended. Use of an impervious apron is recommended. Use of impervious boots is recommended.
<b>Hand protection</b>	Impervious gloves.
<b>Respiratory protection</b>	If ventilation is not sufficient to effectively prevent buildup of aerosols or mists, appropriate NIOSH/MSHA respiratory protection must be provided.
<b>General hygiene considerations</b>	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and immediately after handling the product. Keep away from food and drink. When using do not smoke.

## 9. Physical and Chemical Properties

<b>Appearance / Color / Form</b>	Viscous. White. Liquid.
<b>Odor</b>	Hydrocarbon-like.
<b>Clarity</b>	Not available
<b>Odor threshold</b>	Not available
<b>Physical state</b>	Liquid
<b>pH</b>	Not available
<b>Melting point</b>	-0.4 °F (-18 °C)
<b>Freezing point</b>	Not available
<b>Boiling point</b>	347 °F (175 °C)
<b>Flash point</b>	> 199.4 °F (> 93 °C)
<b>Evaporation rate</b>	< 1
<b>Flammability limits in air, lower, % by volume</b>	Not available
<b>Flammability limits in air, upper, % by volume</b>	Not available
<b>Vapor pressure</b>	Not available
<b>Vapor density</b>	Not available
<b>Specific gravity</b>	1
<b>Relative density</b>	3.2996 estimated
<b>Solubility</b>	Partially soluble in water.
<b>Octanol/H<sub>2</sub>O coeff</b>	Not available
<b>Auto-ignition temperature</b>	Not Available
<b>Decomposition temperature</b>	Not available
<b>VOC (Weight %)</b>	0.78 % estimated
<b>Percent volatile</b>	70

## 10. Chemical Stability and Reativity Information

<b>Chemical stability</b>	Stable at normal conditions.
<b>Incompatible materials</b>	Strong oxidizing agents, iron, copper, and aluminum.
<b>Hazardous decomposition products</b>	Upon decomposition, this product may yield oxides of nitrogen and ammonia, carbon dioxide, carbon monoxide and other low molecular weight hydrocarbons.
<b>Possibility of hazardous reactions</b>	Will not occur.

## 11. Toxicological Information

**Acute effects** Acute LD50: 52400 mg/kg, Rat, Oral  
**Chronic effects** Prolonged or repeated exposure may cause lung injury. Repeated or prolonged skin contact may cause skin irritation and/or dermatitis and sensitization of susceptible persons.

## 12. Ecological Information

**Ecotoxicity** This material is not expected to be harmful to aquatic life.  
**Persistence / degradability** According to the results of tests of biodegradability this product is not readily biodegradable.  
**Bioaccumulation / accumulation** Not expected to bioaccumulate.

## 13. Disposal Considerations

**Disposal instructions** Dispose in accordance with all applicable regulations. Do not dispose of waste into sewer.

## 14. Transport Information

### Department of Transportation (DOT) Requirements

Not regulated as dangerous goods.

### IATA

Not regulated as dangerous goods.

### IMDG

Not regulated as dangerous goods.

## 15. Regulatory Information

**US federal regulations** All components are on the U.S. EPA TSCA Inventory List.  
CERCLA/SARA Hazardous Substances - Not applicable.

### Occupational Safety and Health Administration (OSHA)

**29 CFR 1910.1200 hazardous chemical** Yes

**CERCLA (Superfund) reportable quantity** None

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

**Hazard categories** Immediate Hazard - Yes  
Delayed Hazard - No  
Fire Hazard - Yes  
Pressure Hazard - No  
Reactivity Hazard - No

**Section 302 extremely hazardous substance** No

**Section 311 hazardous chemical** Yes

### Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (CCS)	Yes
Europe	European Inventory of New and Existing Chemicals (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Japanese Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Korean Inventory of Chemicals (KICS)	Yes
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

**International regulations** The product is classified and labelled in accordance with EC directives or respective national laws.

**State regulations** This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

## 16. Other Information

**HMIS ratings**

Health: 2  
Flammability: 1  
Physical hazard: 0  
Personal protection: D

**NFPA ratings**

Health: 2  
Flammability: 1  
Instability: 0

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**US preparer**

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