



# Safety Data Sheet

## ProDrill


Last Revised June '21

Supersedes  
Version

### Section 1. Product and Company Identification

Product ID/Product Name	ProDrill
Recommended Use	Shale Stabilizer for Water-based mud
Supplier Information	ProAction Fluids 3090 Stage Coach Rd Keithville, LA 71047
In case of emergency	(866)-290-5029

### Section 2. Hazards Identification

Health Hazards		Physical Hazards	
Acute Toxicity	Category 5	Flammable Liquid	Category 4
Skin Corrosion/Irritation	Category 3	WHMIS Classification: <b>Class D, Division 2, Subdivision B</b> <b>Class B, Division 3</b>	
Skin Sensitizer	None		
Eye Damage/Eye Irritation	Category 2A	 <b>Signal Word:</b> <b>WARNING!</b>	
<b>GHS Labels:</b>			
Hazard Statements		Precautionary Statements	
H302	Harmful if swallowed	P262	Do not get in eyes, on skin, or on clothing
H319	Causes serious eye irritation	P264	Wash... thoroughly after handling
		P261	Avoid breathing vapor or mist

### Section 3. Composition / Information on Ingredients

Ingredient(s)	CAS #	EINECS #	Concentration %
Distillates (Petroleum), Hydrotreated Light	64742-47-8	265-149-8	30-50%
Anionic Polyacrylamide	9003-05-8	-	50-70%

Comments: Certain ingredients and/or specific chemical identities may be withheld as a trade secret under the provisions of OSHA Hazard Communication Standard: 29 CFR 1910.1200.

### Section 4. First Aid Measures

Eye Contact	Rinse immediately with plenty of water for at least 15 minutes
Skin Contact	Wash with plenty of water. If pain or irritation persists after washing, seek medical aid
Inhalation	Remove to fresh air. If breathing is difficult, give oxygen
Ingestion	If swallowed, seek medical attention immediately. Do not induce vomiting.

### Section 5. Firefighting Measures

Suitable Extinguishing Media	Dry chemical, CO2, Water fog
Unsuitable Extinguishing Media	Water jet
Hazards Arising From The Chemical	Carbon oxides
Protective Actions For Fire-Fighters	Approved protective equipment, as well as a self-contained breathing apparatus

### Section 6. Accidental Release Measures

<b>Personal Precautions And Protective Equipment</b>	Wear appropriate personal protection equipment, including impermeable boots
<b>Environmental Precautions</b>	Prevent spill from entering sewers, waterways, or low areas
<b>Methods And Materials for Containment and Clean Up</b>	Absorb spill into an inert material and scoop up. Flush spill area with copious amounts of water

## Section 7. Handling and Storage

<b>Handling Precautions</b>	Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling
<b>Storage Conditions</b>	Do not use iron, copper, or aluminum containers or equipment, to avoid product degradation

## Section 8. Exposure Controls / Personal Protection

Occupational Exposure Limit(s)	Ingredient	CAS #	Exposure Limit
		Distillates, (petroleum), hydrotreated light	64742-47-8
	-	-	TWA; 200 ppm

<b>Engineering Controls</b>	General ventilation is recommended
<b>Personal Protection Measures</b>	Wear chemical eye/face protection. Wear gloves suitable for handling chemicals. If necessary, use an appropriate respirator

## Section 9. Physical and Chemical Properties

<b>Physical State</b>	Liquid	<b>Flammability</b>	N/D
<b>Colour</b>	White	<b>Flammability LEL/UEL</b>	N/D
<b>Odour</b>	Ammonia	<b>Viscosity @ 25°C (cSt)</b>	N/D
<b>Odour Threshold</b>	N/D	<b>Vapour Pressure (@ 25°C)</b>	N/D
<b>pH</b>	6.0-7.0	<b>Vapour Density [Air = 1]</b>	N/D
<b>Melting Point (°C/°F)</b>	N/A	<b>Relative Density</b>	8.21
<b>Freezing Point (°C/°F)</b>	N/A	<b>Solubility</b>	Soluble in Water
<b>Boiling Point (°C/°F)</b>	N/D	<b>Auto-Ignition Temperature</b>	N/D
<b>Flash Point (°C/°F)</b>	>200-F	<b>Decomposition Temperature</b>	N/D
<b>Specific Gravity @ 25°C</b>	0.985	<b>(Other)</b>	

## Section 10. Stability and Reactivity

<b>Chemical Reactivity/Stability</b>	Stable under normal conditions
<b>Conditions to Avoid</b>	All possible sources of ignition
<b>Incompatible Materials</b>	Oxidizing agents
<b>Hazardous Decomposition Products</b>	Ammonia

## Section 11. Toxicological Information

<b>Likely Routes of Exposure</b>	Eye contact, Dermal	
	<b>Acute Symptoms / Effects</b>	<b>Chronic Symptoms / Effects</b>
<b>Eye Contact</b>	May cause burning of the eyes	Not Determined
<b>Skin Contact</b>	May cause mild skin burns	Not Determined
<b>Inhalation</b>	Can cause respiratory irritation	Prolonged exposure may cause teeth erosion
<b>Ingestion</b>	Can cause burns of the mouth, throat, and stomach	Not Determined
<b>Germ Cell Mutagenicity/Carcinogenicity/Reproductive Toxicity/STOT</b>		Not Determined
	<b>Ingredient</b>	<b>Numerical Measures of Toxicity</b>
	Distillates (Petroleum), Hydrotreated Light	LD50 Dermal (rabbit): >2000 mg/kg
		LD50 Oral (rat): >5000 mg/kg

Petroleum distillates, hydrotreated light (CAS# 64742-47-8) has acute oral (rat) and dermal (rabbit) LD50 values of >5 g/kg and >3.16 g/kg respectively. Prolonged or repeated skin contact tends to remove skin oils, possibly leading to irritation and dermatitis. Direct contact may cause eye irritation. Overexposure to high vapor concentrations, >~700 ppm, are irritating to the eyes and respiratory tract and may cause headaches, dizziness, drowsiness, and other central nervous system effects, including death. Aspiration of minute amounts during ingestion or vomiting may cause mild to severe pulmonary injury and possibly death. In a 90-day oral gavage (rats) study at 100, 500, or 1000 mg/kg, no treatment-related mortalities were observed. There were no significant changes in body weights or food consumption in any dose groups. Increased liver weights were observed in male and female rats at 500 and 1000 mg/kg. Increased kidney weights were observed only in male rats at 500 and 1000 mg/kg. Testes weights were significantly elevated in male rats at 1000 mg/kg. Kidney effects, indicative of light hydrocarbon nephropathy, occurred in male rat kidneys at all dose levels. Histological findings of hepatocellular hypertrophy were seen in the livers of male rats at 1000 mg/kg and in female rats at 500 and 1000 mg/kg. All treatment-related effects were reversible within the 4-week recovery period. Observed kidney effects (including light hydrocarbon nephropathy and increased kidney weight) are a unique response by male rats to chronic hydrocarbon exposure, which the U.S. EPA has declared 'not relevant to humans'. High-dose liver effects (including hepatocellular hypertrophy, or enlarged liver cells) are a direct consequence of the sustained high-fat 'hydrocarbon diet'. The No Observed Adverse Effect Level (NOAEL) for this study was 1000 mg/kg.

## Section 12. Ecological Information

<b>Toxicity</b>	Ecotoxicological information provided is based on a structurally or compositionally similar product. This material is not classified as dangerous for the environment.
	LC50/96h/Bluegill sunfish/acute toxicity/ >100 mg/l (fresh water)
	LC50/96h/Zebra fish/acute toxicity/ >100 mg/l (fresh water)
	EC50/96h/Water flea/ >100 mh/l
<b>Persistence/Degradability</b>	IC50/72h/Green algae/ >100 mg/l
	Due to high molecular weight of the polymer, diffusion through biological membranes is very small. The polymeric ingredient is not readily biodegradable.
<b>Mobility in Soil</b>	Limited by viscosity
<b>Bioaccumulative Potential</b>	Bioaccumulation is unlikely

## Section 13. Waste Disposal Considerations

Follow all local and national waste management regulations. Consult your local waste authorities for information.

## Section 14. Transport Information

IATA / IMDG		U.S. D.O.T. (Bulk Transport)	
<b>UN Number</b>	Not Regulated	<b>UN Number</b>	3082
<b>UN Proper Shipping Name</b>	Not Regulated	<b>UN Proper Shipping Name</b>	Other regulated substances, liquid, n.o.s. (Ammonium acetate)
<b>Hazard Class/Packing Group</b>	Not Regulated	<b>Hazard Class/Packing Group</b>	9/III
<b>Environmental Hazards</b>	Not Regulated	<b>Environmental Hazards</b>	N/A
<b>Sea Transport</b>	Not classified as dangerous in the meaning of transport regulations		
<b>Air Transport</b>	Not classified as dangerous in the meaning of transport regulations		

## Section 15. Regulatory Information

Precautionary Label Information						
	HMIS	NFPA	Risk Phrases		Safety Phrases	
<b>Health</b>	1	1	R20	Harmful by inhalation	S16	Keep away from sources of ignition
<b>Flammability</b>	1	1	R22	Harmful if swallowed	S15	Keep away from heat
<b>Reactivity</b>	0	0	R38	Irritating to skin	S23	Do not breathe gas/fumes
<b>Protection</b>	B	B	R65	Ingestion may cause lung damage	S25	Avoid contact with eyes
<b>Hazard Symbol(s)</b>					S29	Do not empty into drains

## Section 16. Other Information

Specification Information	
<b>Department/Person Responsible for Content</b>	ProAction Fluids HDD Department
<b>Email Address</b>	<a href="mailto:info@proactionfluids.com">info@proactionfluids.com</a>

Training Required for Use of Product	None
Intended Use of Product	HDD Market
Reason for last reissue of SDS	Air/Sea Transport Regulations Added

*This product is intended of use by skilled individuals familiar with the intended use and application of the product. Product users do so at their own risk. The information contained herein is based on data considered to be accurate based on the current state of available knowledge. No warranty is expressed or implied regarding the accuracy of the data herein or the results to be obtained by the use thereof.*



[www.proactionfluids.com](http://www.proactionfluids.com)

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