



## MATERIAL SAFETY DATA SHEET

<b>1 – PRODUCT IDENTIFICATION</b>									
Product name:	<b>DRILL-DEFOAM S</b>								
Address:	AIR DRILLING ASSOCIATES, INC.; 112 Road 2929; Aztec NM 87410; USA								
Phone:	+1-505-334-5402								
Fax:	+1-505-334-8409								
<b>2 – INFORMATION/COMPOSITION ON INGREDIENTS</b>									
INFORMATION/COMPOSITION:	Component: Silicone compound(s), mineral hydrocarbon								
Chemical Formula :	---								
CAS Number	Not available								
<b>3 – HAZARDS IDENTIFICATION</b>									
MAIN HAZARDS:	Ingestion								
HAZARDS RATING:	1								
	<table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <thead> <tr> <th style="padding: 2px;">Reference</th> <th style="padding: 2px;">Health</th> <th style="padding: 2px;">Fire</th> <th style="padding: 2px;">Reactivity</th> </tr> </thead> <tbody> <tr> <td style="text-align: center; padding: 2px;">1</td> <td style="text-align: center; padding: 2px;">1</td> <td style="text-align: center; padding: 2px;">0</td> <td style="text-align: center; padding: 2px;">0</td> </tr> </tbody> </table>	Reference	Health	Fire	Reactivity	1	1	0	0
Reference	Health	Fire	Reactivity						
1	1	0	0						
NFPA or HMIS Key: 0 = minimal, 1 = slight, 2 = moderate, 3 = serious, 4 = severe									
HEALTH HAZARDS:	1								
PHYSICAL/CHEMICAL HAZARDS:	1								
ENVIRONMENTAL HAZARDS:	0								
<b>4 – FIRST AID MEASURES</b>									
<b>In case of :</b>									
Inhalation:	Remove from exposure. If irritation persists seek medical attention								
Skin Contact:	Wash thoroughly with soap and water. Avoid rigorous cleaning								
Eye Contact	Flush with plenty of water. If irritation or adverse symptoms seek medical attention								
Ingestion:	If irritation or adverse symptoms develop, seek medical attention								
<b>Other information:</b>	N/A								
<b>5 – FIRE FIGHTING MEASURES</b>									
EXTINGUISHING MEDIA:									
Suitable:	Dry chemical, foam and carbon dioxide								
To avoid:	Water spray, may cause slippery floor and excessive foam								
COMBUSTION PRODUCTS:	Excessive heat may cause product to become unstable and slowly auto oxidize								
FIRE FIGHTING INSTRUCTIONS:	Evacuate area of all unnecessary personnel.								
PROTECTIVE EQUIPMENT:	<b>see Chapter 8</b>								
NOTE: Flash Point, Auto ignition, LEL, UEL:	<b>see Chapter 9</b>								
<b>6 – ACCIDENTAL RELEASE MEASURES</b>									
PERSONAL PRECAUTIONS:	Avoid contact with eyes, skin or clothing. Avoid breathing vapors, mist or fumes								
ENVIRONMENTAL PRECAUTIONS:	Does not bio-accumulate, slightly toxic to aquatic organisms.								
CLEANING/COLLECTING/DISPOSAL:	Material can be handled as normal solid waste. Scoop up and place in a waste container								
<b>7 – HANDLING AND STORAGE</b>									
HANDLING:									
Technical measures:	Not applicable								
Other precautions:	High foaming tendency, do not agitate.								
Safe handling advice:	Use dust respirators/masks due to powder dusting tendency								
STORAGE:	Do not store near food or drink								
Storage Condition:	Store dry at ambient temperatures. Use care when handling any chemical product								
Incompatible Products	Strong acids								
PACKING MATERIAL:	HDPE DRUMS								



## MATERIAL SAFETY DATA SHEET

### 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

COLLECTIVE PROTECTION MEASURES: Use care when handling any chemical product

PERSONAL PROTECTION EQUIPMENT: NIOSH approved protective equipment

Hand Protection: Rubber, plastic or cloth gloves

Eye Protection: Safety glasses

Skin/Body Protection: Protective clothing and SCBA

SPECIFIC HYGIENE PRACTICES: N/A

### 9 – PHYSICAL AND CHEMICAL PROPERTIES

<p><b>APPEARANCE</b></p> <p>Physical State: Liquid at 20°C</p> <p>Color: Pale to Amber</p> <p>Odor: Odorless</p> <p>PH: No data</p> <p><b>TEMPERATURE CHARACTERISTICS</b></p> <p>Boiling Point (°C): No data</p> <p>Melting Point (°C): No data</p> <p>Freezing Point (°C): &lt; 5</p> <p><b>SOLUBILITY:</b></p> <p>In water: Slightly dispersible</p> <p>In Organic Solvent: Dispersible</p>	<p><b>TEMPERATURE RELATIVE TO FIRE/EXPLOSION</b></p> <p>Flash Point (°C) (method Used): &gt; 75</p> <p>Auto ignition (°C): &gt; 305</p> <p>LEL (%): 6</p> <p>UEL (%): N/A</p> <p><b>GASEOUS CHARACTERISTICS</b></p> <p>Vapor Pressure (kPa): N/R</p> <p>Vapor Density (Air = 1): No data</p> <p>Evaporation Rate: N/R</p> <p><b>LIQUID CHARACTERISTICS</b></p> <p>Specific Gravity (H<sub>2</sub>O = 1): 0.98</p> <p>Divided coefficient n-octanol/water (Log Pow): N/A</p> <p>Viscosity: Kinetic (m<sup>2</sup>/s)      Dynamic (Pa.s)</p>
---	---

### 10 – STABILITY AND REACTIVITY

REACTIVE (yes/No) (according to EPA definition): No

HAZARDOUS DECOMPOSITION PRODUCTS (Give names/Hazard classification): Will release carbon dioxide gas with contact with strong acids or upon combustion

MATERIALS TO AVOID: Avoid contact with copper and copper alloys

CONDITIONS TO AVOID: High moisture / humidity

POLYMERISATION: N/A

### 11 – TOXICOLOGICAL INFORMATION

**ACUTE TOXICITY:**

Test	Species	Value/Time	Interpretation
Oral (LD <sub>50</sub> )	Rat	>20 mg/kg	Orally toxic
Dermal (LD <sub>50</sub> )	Rat	No data	
Inhalative (LC <sub>50</sub> )		No data	

**PRIMARY EFFECTS OR LOCAL EFFECTS:**

Skin contact: May produce slight irritation with prolonged contact with moistened product

Eye Contact: May produce mechanical irritation

Mucous membranes: Non-irritating

Ingestion: Passes through relatively inert. May cause some gastrointestinal upset

Inhalation: Breathing high concentrations of dust may cause mechanical irritation of ENT

CARCINOGENIC EFFECTS: No

REPRODUCTIVE EFFECTS: No

MUTAGENIC EFFECTS: No



## MATERIAL SAFETY DATA SHEET

### 12 – ECOLOGICAL INFORMATION

PERSISTENCE/DEGRADABILITY: Readily degradable  
 BIOACCUMULATION: Log Pow.  
 Interpretation: N/A  
 ECOTOXICITY: N/A

### 13 – DISPOSAL CONSIDERATION

PRODUCTS OR RESIDUES:  
 Disposal route: Manage in a permitted waste management facility.  
 CONTAMINATED PACKAGING:  
 Disposal route: Manage in a permitted waste management facility

### 14 – TRANSPORT INFORMATION

International regulations	N° UN	Label	Packing	Class	Danger
Land Transport (ADR/RID)	N/R				
Maritime Transport (IMG/IMO)	N/R				
Air Transport (IATA/ICAO)	N/R				

Other information:

### 15 – REGULATORY INFORMATION

REGULATIONS : Not regulated  
 Labels/symbols: N/K  
 R Phrases (Risk): N/R  
 S Phrases (Safety): N/R

### 16 – OTHER INFORMATION

**DISCLAIMER:**

The data contained herein is believed to be accurate and reliable, but no expressed or implied warranty is made with regard to the accuracy of such data or its suitability for a given situation. Such data relates only to the specific product described and not to such product in combination with any other product. We disclaim all liability for any actions taken or forgone on reliance upon such data. Users should make their own investigation to determine the suitability of the information for their particular purposes.