

SAFETY DATA SHEET

ADS DF1

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

Product name:	ADS DF1	SDS Number: 0039
Distributor:	Appalachian Drilling Services 105 Industrial Park Road Beech Creek PA 16822	
Telephone:	570-907-0136	
Telefax:	570-907-0146	
Emergency telephone number:	800-424-9300	
CHEMTREC:	800-424-9300	
Generic description:	Antifoam	

2. HAZARDS IDENTIFICATION

Form: Liquid

Color: Hazy

Odor: Mild hydrocarbon

Potential Health Effects:

Eye: May cause temporary redness and discomfort.

Skin: May cause mild irritation.

Inhalation: No significant effect expected from short term exposure.

Oral: Low ingestion hazard in normal use.

Prolonged/Repeated Exposure Effects:

Skin: Will cause skin irritation.

Oral: No known applicable information.

Inhalation: No known applicable information.

Signs and symptoms of overexposure: No known applicable information.

Medical conditions aggravated by exposure: No known applicable information.

The above listed potential effects of overexposure are based on actual data, results of studies performed upon similar compositions, component data and/or expert review of the product. Please refer to Section 11 for the detailed toxicology information.

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3. COMPOSITION / INFORMATION OF INGREDIENTS

Product ID	CAS Number	Weight %
Hydrophobic Silica	66762-90-7	<10
Distillates (petroleum) Hydrotreated Light Napthenic	64742-53-6	60-80

4. FIRST AID MEASURES

Inhalation: If symptoms are experienced remove source of contamination or move victim to fresh air. If irritation persists, obtain medical advice.

Skin contact: No health effects expected. If irritation does occur, flush with lukewarm, gently flowing water for 5 minutes. If irritation persists, obtain medical advice.

Eye contact: Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 30 minutes while holding the eyelid(s) open. If contact lens is present, DO NOT delay irrigation or attempt to remove the lens. Neutral saline solution may be used as soon as available. Do not interrupt flushing. If necessary, continue flushing during transport to emergency care facility. Take care not to rinse contaminated water into the unaffected eye or onto the face. Obtain medical attention.

Oral: If irritation or discomfort occur, obtain medical advice.

Notes to physician: Treat according to person's condition and specifics of exposure.

5. FIRE FIGHTING MEASURES

Extinguishing media: On large fires use dry chemical or foam. On small fires use carbon dioxide (CO₂), dry chemical. Water can be used to cool fire exposed containers.

Flammability limits in air: Not determined.

Fire fighting measures: Self-contained breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals. Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire exposed containers cool.

Flash point: >212 °F / >100 °C (Cleveland Open Cup)

Autoignition temperature: >650F

Unusual fire hazards: None.

6. ACCIDENTAL RELEASE MEASURES

Containment/Clean up: Determine whether to evacuate or isolate the area according to your local emergency plan. Observe all personal protection equipment recommendations described in Sections 5 and 8. For large spills, provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container. Clean up remaining material from spill with suitable absorbant. Clean area as appropriate since spilled materials, even in small quantities, may present a slip hazard. Final cleaning may require use of steam, solvents, or detergents. Dispose of saturated absorbant or cleaning materials appropriately, since spontaneous heating may occur. Local, state and federal laws and regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which federal, state and local laws and regulations are applicable. Sections 13 and 15 of this MSDS provide information regarding certain federal and state requirements.

Note: See Section 8 for Personal Protective Equipment for Spills.

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7. HANDLING AND STORAGE

Use with adequate ventilation and storage. Do not get in eyes. Avoid skin contact. Do not take internally. Use reasonable care and store away from oxidizing materials. Keep drums away from sparks or flames. Do not use a torch to cut empty drums, as empty drums may contain explosive vapors.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Component exposure limits: There are no components with workplace exposure limits.

Engineering Controls:

Local ventilation: None should be needed.

General ventilation: Recommended.

Personal protective equipment:

Inhalation: No respiratory protection should be needed.

Suitable respirator: None should be needed.

Eye protection: Use proper protection-safety glasses a minimum.

Skin: Wash at mealtime and end of shift. Contaminated clothing and shoes should be removed as soon as practical and thoroughly cleaned before reuse. Chemical protective gloves are recommended.

Suitable gloves: Avoid skin contact by implementing good industrial hygiene practices and procedures. Select and use gloves and/or protective clothing to further minimize the potential for skin contact. Consult with your glove and/or personnel protective equipment manufacturer for selection of appropriate compatible materials.

Personal Protective Equipment for Spills:

Eyes: Use proper protection-safety glasses a minimum.

Skin: Wash at mealtime and end of shift.

Inhalation/Suitable respirator: No respiratory protection should be needed.

Precautionary measures: Do not get in eyes. Avoid skin contact. Do not take internally. Use reasonable care.

Note: These precautions are for room temperature handling. Use at elevated temperature or aerosol/spray applications may require added precautions.

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9. PHYSICAL AND CHEMICAL PROPERTIES
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Form: Liquid

Color: Opaque

Odor: Mild Hydrocarbon

pH: 7.1

Specific gravity @ 25 °C: 0.87

Viscosity: <1000 cps

Freezing/Melting point: -25 degrees F

Boiling point: >271 °F

Vapor pressure @ 20° C: 0.0059 mm Hg at 100F

Vapor density: >4, (Air = 1)

Solubility in water: Dispersible.

Volatile content: 23% Wv

Flash point: >100 C (Cleveland Open Cup)

Autoignition temperature: Not determined.

Flammability limits in air: Not determined.

Evaporation rate: Slower than Butyl Acetate.

Note: The above information is not intended for use in preparing product specifications.

10. STABILITY AND REACTIVITY

Stability: Stable.

Hazardous polymerization: Hazardous polymerization will not occur.

Conditions to avoid: None.

Materials to avoid: Oxidizing material can cause a reaction.

Hazardous decomposition products: Thermal breakdown of this product during fire or very high heat conditions may evolve the following decomposition products: Carbon oxides and traces of incompletely burned carbon compounds. Silicon dioxide.

11. TOXICOLOGICAL INFORMATION

Component toxicology information: No known applicable information.

Special hazard information on components: No known applicable information.

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12. ECOLOGICAL INFORMATION

Environmental fate and distribution: complete information is not yet available.

Environmental effects: Complete information is not yet available.

Fate and effects in waste water treatment plants: complete information is not yet available.

13. DISPOSAL CONSIDERATIONS

RCRA Hazard Class (40 CFR 261):

When a decision is made to discard this material, as received, is it classified as hazardous waste? **No.**
State or local laws may impose additional regulatory requirements regarding disposal.

14. TRANSPORTATION REGULATIONS

DOT Road Shipment Information (49 CFR 172.101): Not subject to DOT.

Ocean Shipment (IMDG): Not subject to IMDG code.

Air Shipment (IATA): Not subject to IATA regulations.

15. REGULATORY INFORMATION

Contents of this MSDS comply with the OSHA Hazard Communication Standard 29 CFR 1910.1200.

TSCA Status: All chemical substances in this material are included or exempted from listing on the TSCA Inventory of Chemical Substances.

EPA SARA Title III Chemical Listings

Section 302 Extremely Hazardous Substances (40 CFR 355): None.

Section 304 CERCLA Hazardous Substances (40 CFR 302): None.

Section 311/312 Hazard Class (40 CFR 370):

Acute: No.

Chronic: Yes.

Fire: No.

Pressure: No.

Reactive: No.

Section 313 Toxic Chemicals (40 CFR 372): None present in regulated quantities.

Note: Chemicals are listed under the 313 Toxic Chemicals section only if they meet or exceed a reporting threshold.

Supplemental State Compliance Information

California

Warning: This product contains the following chemical(s) listed by the State of California under the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) as being known to cause cancer, birth defects or other reproductive harm.

None known.

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16. OTHER INFORMATION

NFPA:

Health: 1
Flammability: 1
Instability: 0



These data are offered in good faith as typical values and not as product specifications. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However. Each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.