

Appalachian Drilling Service Inc.
105 Industrial Park Road
Beech Creek, PA 16822

Defoamer DF3 SAFETY DATA SHEET

FOR EMERGENCY ASSISTANCE
CALL: 814-941-8375

FOR ADDITIONAL INFORMATION
CALL: 814-941-8375

SECTION 1: PRODUCT IDENTIFICATION

PRODUCT NAME: **Defoamer DF3**
CHEMICAL DESCRIPTION: Antifoam
COLOR: Hazy
ODOR: Mild Hydrocarbon
MSDS REVISION: 2.0

SECTION 2: HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS

ACUTE:

EYES: May cause temporary redness and discomfort.

SKIN: May cause mild irritation.

INGESTION: Low hazard.

INHALATION: No significant effect expected from short term exposure.

Prolonged/Repeated Exposure Effects:

SKIN: Will cause skin irritation.

Inhalation: No known information.

INGESTION: No known information.

SECTION 3: INFORMATION ON INGREDIENTS

Chemical Name	CAS #	Weight %
Hydrophobic Silica	67762-90-7	<10
Distillates (petroleum) Hydrotreated Light Naphtetic	64742-53-6	60-80

SECTION 4: FIRST AID MEASURES

EYE CONTACT: Immediately flush the contaminated eye with Lukewarm, gently flowing water for 30 minutes while holding the eyelids 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.

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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.

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

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

SECTION 5: FIRE-FIGHTING MEASURES

FLASHPOINT: >212°F (Cleveland Open Cup)

AUTO-IGNITION TEMPERATURE: >650°F

FLAMMABILITY LIMITS IN AIR: Not Determined

EXTINGUISHING MEDIA: On large fires, use dry chemical or foam. On small fires, use carbon dioxide or dry chemical. Use water to cool fire exposed containers.

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

NFPA CODES:

Health = 1

Flammability = 1

Reactivity = 0

Special Hazard = None

Hazard Rating Scale: 0=Minimal; 1=Slight; 2=Moderate; 3=Serious; 4=Severe

SECTION 6: ACCIDENTAL RELEASE MEASURES

CONTAINMENT / CLEANUP:

Determine whether to evacuate or isolate the area according to your local emergency plan. Observe all PPE 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 with absorbent. Clean area as appropriate since spilled materials present a slipping hazard. Final cleaning may require the use of steam solvents, or detergents. Dispose of saturated absorbent appropriately as spontaneous heating may occur. Local, State, and Federal laws may apply to releases and disposal of this material, as well as those materials 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 SDS provide information regarding certain federal and state requirements.

SECTION 7: HANDLING AND STORAGE

Use with adequate ventilation. 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 drums may contain explosive vapors.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

COMPONENT EXPOSURE LIMITS:

No components with workplace exposure limits.

ENGINEERING CONTROLS:

Local Ventilation: None should be needed.

General Ventilation: Recommended.

PERSONAL PROTECTIVE EQUIPMENT FOR ROUTINE HANDLING:

EYES: Safety glasses at 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. 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.

INHALATION: No respiratory protection should be needed.

RESPIRATOR: None should be needed.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical Form:	Liquid
Color:	Opaque
Odor:	Mild Hydrocarbon
Specific Gravity @ 25°C:	0.89
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.
pH:	Not determined.
Volatile Content:	16% 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.

SECTION 10: STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: None.

INCOMPATIBILITIES: Oxidizing material can cause a reaction.

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, and silicon dioxide.

SECTION 11: TOXOLOGICAL INFORMATION

COMPONENT TOXICOLOGY INFORMATION: No known applicable information.

SPECIAL HAZARD INFORMATION ON COMPONENTS: No known applicable information.

SECTION 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 WASTEWATER TREATMENT PLANTS:
Complete information is not yet available.

SECTION 13: DISPOSAL

RCRA HAZARD CLASS (40 CFR 261): When a decision is made to discard this material, as received, is it classified as a hazardous waste: NO. State or local laws may impose additional requirements regarding disposal.

SECTION 14: TRANSPORTATION

DOT ROAD SHIPMENT INFORMATION (49 CFR 172.101): Not subject to DOT

SECTION 15: REGULATORY INFORMATION

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

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

SARA TITLE III (Sections 302, 311, 312, and 313):

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

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

Section 311 and 312 Health and Physical Hazards:

Acute: No

Chronic: Yes

Fire: No

Pressure: No

Reactive: No

Section 313 Toxic Chemicals (40 CFR 372):

None present or none present in regulated quantities.

SECTION 16: OTHER INFORMATION

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.