



MATERIAL SAFETY DATA SHEET

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P-AFAL

CHEMICAL CODE: P-AFAL

PRODUCT NAME: ANTIFOAM AGENT LIQUID

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EFFECTIVE DATE: April 09, 1990

NFPA RATING:

Health Hazard: 0 Flammability: 1 Reactivity: 0 Other: None

0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme

Nominal Composition: (Typical values-not specifications)

CAS Number

ORGANIC POLYMER

SECTION 1 - PHYSICAL DATA

CHEMICAL NATURE:	Surfactant	FORM:	Liquid
COLOR:	Colorless	ODOR:	Faint
VAP DENSITY (air=1):	> 1	% SOL. IN WATER :	Very slight
pH:	8.5 (10 percent)	SP. GRAVITY:	1.0
POUR PT:	Not determined	BOILING POINT:	Decomposes
VAP. PRESSURE:	Very low	WT% VOLATILE:	<1

SECTION 2 - FIRE AND EXPLOSION HAZARD DATA

CHARACTERISTIC: Will burn at high temperatures

FLASH POINT: 365 deg F 185 deg C **METHOD USED:** Pensky-Martens CC

FLAMMABLE LIMITS (STP IN AIR) **LFL:** Not determined **UFL:** Not determined

EXTINGUISHING MEDIA: Water Fog, Alcohol Foam, CO₂, Dry Chemical

SPECIAL FIRE FIGHTING EQUIPMENT AND HAZARDS: Wear protective fire fighting clothing and avoid breathing vapors. Use self-contained breathing apparatus in closed areas.



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SECTION 3 - REACTIVITY HAZARDS

STABILITY: Stable

INCOMPATIBILITY: Oxidizers, strong acids.

HAZARDOUS DECOMPOSITION: When heated strongly or burned, oxides of carbon and harmful organic chemical fumes are released.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 4 - FIRST AID PROCEDURES

EYE CONTACT: Immediately flush eyes with water for 5 minutes. See a doctor if irritation occurs.

SKIN CONTACT: Wash thoroughly with soap and water. See a doctor if irritation occurs. Wash clothes thoroughly before reusing.

SWALLOWING: If several grams are swallowed, induce vomiting with ipecac (preferred), or by giving water and sticking finger down throat. After vomiting give milk (preferred) or water and consult a physician.

INHALATION: Remove to fresh air. See a doctor if effects occur.

NOTES: None

SECTION 5 - HANDLING PRECAUTIONS

PROTECTIVE EQUIPMENT CODE: Q0

VENTILATION: General ventilation if vapor or mist is generated.

RESPIRATORY PROTECTION: None normally needed. If dust or mist is generated use NIOSH approved respirator with dust and mist protection (3M No. 8710).

PROTECTIVE CLOTHING: Clean, body-covering clothing.

EYE PROTECTION: Chemical goggles required and an eye wash in work area.

EXPOSURE GUIDELINE(S): Not established.



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SECTION 6 - SPILL AND DISPOSAL PROCEDURE

CERCLA REPORTABLE QUANTITY: Not established.

SPECIAL HANDLING: Contain with dikes. Put in steel or plastic drum. Soak up residual on inert absorbant (sand).

DISPOSAL METHOD FOR:

PRODUCT: Ship via permitted waste hauler to permitted hazardous waste disposal facility for incineration (preferred) or disposal well injection of all liquids and landfilling of solids.

CONTAINER: Leave label on drum and sell drum to an approved drum reconditioner or triple rinse, crush, and ship to sanitary landfill unless prohibited by local regulations.

DEGRADABILITY: Partially biodegradable. BOD = 0.15 p/p; COD = 1.94 p/p.

FISH TOXICITY: Low toxicity to fish. LC50 is greater than 100 ppm.

ANIMAL TOXICITY: Low toxicity to mammals.

SECTION 7 - TOXICOLOGY (ROUTES OF EXPOSURE)

PRINCIPAL HAZARD (E=Eye, S=Skin, I=Inhal.): E

EYE CONTACT: Irritant. May cause pain, redness, discomfort.

SKIN CONTACT: No effect expected. Prolonged or repeated contact may cause mild irritation.

SWALLOWING: No effect expected. Swallowing large amounts may cause illness. LD50 (rats) = greater than 15,000 mg/kg.

INHALATION: No effect expected. Prolonged or repeated exposure may cause mild irritation.

OTHER: None.



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SECTION 8 - SPECIAL PRECAUTIONS AND ADDITIONAL INFORMATION

SPECIAL PRECAUTIONS: None.

PHYSICAL HAZARD: None.

HANDLING AND STORAGE PRECAUTIONS: No special precautions required.

PACKAGING INFORMATION: Steel or plastic drum or can.

ADDITIONAL INFORMATION: None

The information herein is believed to be accurate and is presented in good faith; however, no warranties or representations are made by Petrochem, Inc. regarding the accuracy or completeness of the information.



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SHIPPING INFORMATION

ID NUMBER (UN # OR NA #):

FLASH PT. 365 deg F, 185 deg C

BOILING PT. Decomposes

ICC TARIFF CLASSIFICATION: Compound, Gas or Oil Well Drilling

ICC Item Number: 138640

ICC Class: 50 LTL TL

DEPARTMENT OF TRANSPORTATION - DOT

Description: Not Regulated

Hazard Class: Not Regulated

Shipping Name: Not Regulated

DOT Label:

Comment:

DS Tank Ex. #: N/A

CERCLA RQ: Not established

US FOREIGN TRADE SCHEDULE B# (EXPORT): 431.2090

CANADIAN SHIPMENTS -

Shipping name:

Special Provision:

Classification:

ICAO Class:

Pkg Group:

WATER SHIPMENT (IMO)

Shipping Name: Not regulated

Label(s):

Class: **Pkg Group:**

IMDG Page:

MARPOL:

AIR SHIPMENTS (IATA)

Shipping Name: Not regulated

Label(s)

Class: **Sub Risk:**

Pkg Group:

Passenger Aircraft Pkg. Instr.

Max. Net Qty./Pkg.

Cargo Aircraft Only Pkg. Instr

Max. Net Qty./Pkg.

EUROPEAN ECONOMIC COMMUNITY (EEC)

Risk Phrases:

Safety Phrases: 26 (IR) A1

Classification (Label):

Label Description:

ADR Class: Not regul.

RID Class:

TREM Card:

Hazard Classification:

Comment: S26(IR)=S26..if irritation persists ; A1= Exercise reasonable care and cleanliness