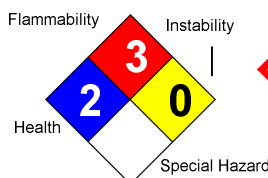


Pumping Jack Chemicals, Inc.
35203 E. 114th
Earlsboro, OK 74840

HEALTH		2
FLAMMABILITY		3
PHYSICAL...		0
PPE		X



1. Product and Company Identification

Product Code: AF-810
Product Name: AF-810
Trade Name: Defoamer
Manufacturer Information
Company Name: Pumping Jack Chemicals, Inc.
Phone Number: (405)382-7930
Fax Number: (405)382-1787
Emergency Contact: Mike Atchley (405)659-0379
Alternate Emergency Contact: Dawn Elder (405)659-1209
Email address: pjc1521@yahoo.com

2. Hazards Identification

GHS Classification	Placard	Key word	GHS hazard phrase
Flammable Liquids, Category 2	Flame	Danger	Highly flammable liquid and vapor
Acute Toxicity: Oral, Category 3	Skull and crossbones	Danger	Toxic if swallowed
Acute Toxicity: Skin, Category 3	Skull and crossbones	Danger	Toxic in contact with skin
Acute Toxicity: Inhalation, Category 3	Skull and crossbones	Danger	Toxic if inhaled
Target Organ Systemic Toxicity (single exposure), Category 1	Health hazard	Danger	Causes damage to {<target organs>}

GHS Hazard Phrases

H225 - Highly flammable liquid and vapor. H301 - Toxic if swallowed. H311 - Toxic in contact with skin.
H331 - Toxic if inhaled. H370 - Causes damage to organs

GHS Precaution Phrases

P233 - Keep container tightly closed. P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking. P280 - Wear protective gloves/protective clothing/eye protection/face protection. P240 - Ground/bond container and receiving equipment. P241 - Use explosion-proof electrical/ventilating/lighting/.../ equipment. P243 - Take precautionary measures against static discharge. P242 - Use only non-sparking tools. P264 - Wash hands thoroughly after handling. P270 - Do not eat, drink or smoke when using this product. P271 - Use only outdoors or in a well-ventilated area. P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P260 - Do not breathe dust/fume/gas/mist/vapours/spray.

GHS Response Phrases

P370+378 - In case of fire, use ... to extinguish. P303+361+353 - IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. P301+310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P330 - Rinse mouth. P321 - Specific treatment see ... on this label. P361 - Remove/Take off immediately all contaminated clothing. P302+352 - IF ON SKIN: Wash with plenty of soap and water. P312 - Call a POISON CENTER or doctor/physician if you feel unwell. P322 - Specific measures see ... on this label. P363 - Wash contaminated clothing before reuse. P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P311 - Call a POISON CENTER or doctor/physician. P307+311 - IF exposed: Call a POISON CENTER or doctor/physician.

GHS Storage and Disposal Phrases

P403+235 - Store in cool/well-ventilated place. P501 - Dispose of contents/container to

Potential Health Effects (Acute and Chronic)

Blindness will occur if a large amounts are ingested. Contact causes skin irritation. Contact may cause burns to skin and eyes. Contact with skin may cause taste sensation. Eyes will be irritated upon contact. Frequent or prolonged contact may irritate the skin and cause a skin rash (dermatitis). Harmful by inhalation contact with skin and if swallowed. Possible risk of irreversible effects. Highly flammable liquid and vapor. May be harmful if swallowed and enters airways. May cause abdominal discomfort. Substances may be harmful if swallowed.

Inhalation

Inhalation or contact with some of these materials will irritate or burn skin and eyes.

Skin Contact

Substance may cause slight skin irritation.

Eye Contact

Irritating, and may injure eye tissue if not removed promptly.

Ingestion

Causes gastrointestinal irritation with nausea, vomiting and diarrhea. Blindness will occur if a large amounts are ingested.

Medical Conditions Generally Aggravated By Exposure

None known.

3. Composition/Information on Ingredients

Hazardous Components (Chemical Name)	CAS #	Concentration
1. Silicone Emulsion	NA	0.0 -17.0 %
2. Methanol	67-56-1	0.0 -83.0 %

4. First Aid Measures

Emergency and First Aid Procedures

In Case of Inhalation

Remove victim to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

In Case of Skin Contact

Wash thoroughly with water. Wash clothing before reuse. Rinse immediately contaminated clothing and skin with plenty of water before removing clothes.

In Case of Eye Contact

In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

In Case of Ingestion

Wash out mouth with water provided person is conscious. Call a physician immediately.

Signs and Symptoms Of Exposure

Gastrointestinal disturbances.

CONDITIONS AGGRAVATED BY EXPOSURE:

Contact with eyes can cause redness, tearing, and blurred vision.

5. Fire Fighting Measures

Flash Pt: ~ 100.00 C Method Used: Estimate

Explosive Limits: LEL: 6 at 0.0 C UEL: 35.5 at 0.0 C

Autoignition Pt: >= 484.00 C

Fire Fighting Instructions

Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Flammable Properties and Hazards

Vapors may travel to source of ignition and flash back. Burning mixture may be invisible to the eye.

Suitable Extinguishing Media

Suitable: Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.

Unsuitable Extinguishing Media

Product will foam when mixed with water.

6. Accidental Release Measures

Steps To Be Taken In Case Material Is Released Or Spilled

PROCEDURE(S) OF PERSONAL PRECAUTION(S)

Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves.

Methods for cleaning up.

Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

Protective Precautions, Protective Equipment and Emergency Procedures

Wear appropriate protective clothing to minimize contact with skin. Wear appropriate protective gloves to prevent skin exposure. Wear safety glasses with side shields (or goggles) and a face shield.

Environmental Precautions

Immediately contain spills with inert material, and absorb with sand or other absorbent. Not expected to cause permanent environmental damage.

7. Handling and Storage

Precautions To Be Taken in Handling

User Exposure: Avoid contact with eyes, skin, and clothing.

Avoid prolonged or repeated exposure. Do not breathe dust.

Precautions To Be Taken in Storing

Keep container closed. Keep away from heat and open flame.

Empty containers retain product residue, (liquid and/or vapor), and can be dangerous. Do not reuse this container.

Other Precautions

Flammable Liquid and Vapor. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames. Empty drums should be completely drained, bunged and returned to a drum reconditioner or properly disposed of. Do not reuse this container.

8. Exposure Controls/Personal Protection

Hazardous Components (Chemical Name)	CAS #	OSHA PEL	ACGIH TWA	Other Limits
1. Silicone Emulsion	NA	No data.	No data.	No data.
2. Methanol	67-56-1	PEL: 200 ppm	TLV: 200 ppm STEL: 250 ppm	No data.

Respiratory Equipment (Specify Type)

Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

(EU). Use supplied-air or SCBA respirators. Europe permits the use of type AXBEK full-face cartridge respirators (EN 14387).

Wear appropriate government approved respirator, chemical-resistant gloves, safety goggles, other protective clothing.

Eye Protection

Chemical safety goggles.

Protective Gloves

Hand: Compatible chemical-resistant gloves.

Other Protective Clothing

Wear appropriate protective clothing to minimize contact with skin.

Engineering Controls (Ventilation etc.)

Safety shower and eye bath. Mechanical exhaust required.

Work/Hygienic/Maintenance Practices

Wash thoroughly after handling.

Wash contaminated clothing before reuse. Handle in accordance with good industrial hygiene and safety practice.

9. Physical and Chemical Properties

Physical States:	[] Gas [X] Liquid [] Solid
Melting Point:	< 20.00 C
Boiling Point:	150.00 F
Autoignition Pt:	>= 484.00 C
Flash Pt:	~ 100.00 C Method Used: Estimate
Explosive Limits:	LEL: 6 at 0.0 C UEL: 35.5 at 0.0 C
Specific Gravity (Water = 1):	>=.81
Density:	NA
Vapor Pressure (vs. Air or mm Hg):	NP
Vapor Density (vs. Air = 1):	NA
Evaporation Rate:	NE
Solubility in Water:	Complete
Solubility Notes	
	Completely soluble in water.
Percent Volatile:	No data.
Appearance and Odor	
	Greenish. Characteristic.

10. Stability and Reactivity

Stability:	Unstable [] Stable [X]
Conditions To Avoid - Instability	
	Stable as supplied.
Incompatibility - Materials To Avoid	
	acids, Acid chlorides, Acid anhydrides, Mixing Alkaline substances with material will cause a strong reaction. Oxidizing agents, Reducing agents.
Hazardous Decomposition Or Byproducts	
	Carbon monoxide, Carbon dioxide, Phosphorous oxides.
Possibility of Hazardous Reactions:	Will occur [] Will not occur [X]
Conditions To Avoid - Hazardous Reactions	
	Contact with incompatible materials may cause a violent or explosive reaction.

11. Toxicological Information**Toxicological Information****ROUTE OF EXPOSURE:**

Skin Contact: May cause skin irritation.

Skin Absorption: Harmful if absorbed through the skin.

Eye Contact: May cause eye irritation.

Inhalation: Material may be irritating to mucous membranes and upper respiratory tract. Harmful if inhaled.

Ingestion: Harmful if swallowed.

Chronic Toxicological Effects

Ingestion may cause intense pain, nausea, vomiting and bleeding.

Irritation or Corrosion

Ocular.

Hazardous Components (Chemical Name)	CAS #	NTP	IARC	ACGIH	OSHA
1. Silicone Emulsion	NA	n.a.	n.a.	n.a.	n.a.
2. Methanol	67-56-1	n.a.	n.a.	n.a.	n.a.

Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No

12. Ecological Information

General Ecological Information

Do not empty into drains. Do not discharge into waterways.

Persistence and Degradability

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

Bioaccumulative Potential

This material is not believed to persist in the environment and if released to water, it disassociates almost completely.

Mobility in Soil

Very high mobility in soil. Biodegradation is expected to be an important fate process.

13. Disposal Considerations

Waste Disposal Method

Avoid release to the environment. Observe all federal, state, and local environmental regulations.

14. Transport Information

LAND TRANSPORT (US DOT)

DOT Proper Shipping Name	Flammable Liquid, Class 3, UN1993, Pg2NOS, Methanol- IPA.
DOT Hazard Class:	3
DOT Hazard Label:	FLAMMABLE LIQUID
UN/NA Number:	UN1993
Packing Group:	I

AIR TRANSPORT (ICAO/IATA)

ICAO/IATA Shipping Name	UN 1230 - 1 liter maximum per package.
UN Number:	1993
Hazard Class:	3 - FLAMMABLE LIQUID
Packing Group:	I

15. Regulatory Information

Regulatory Information

DOT RQ 20,000 lbs, 2860 gals. CEPA - listed. WHMIS B 2, D1B, D2A, D2B. 29 CFR 1910.1200 OSHA Hazardous. 40 CFR 116-117 EPA Hazardous. 40 CFR 372 SARA listed. 40 CFR 302 CERCLA listed.

16. Other Information

For industrial use only.

Company Policy or Disclaimer

All information appearing herein is based on data obtained from recognized technical sources. While the information is believed to be accurate, Pumping Jack Chemicals makes no representations as to its accuracy or its sufficiency. Conditions of use are beyond our control and therefore users are responsible to verify

SAFETY DATA SHEET
AF-810

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Supersedes Revision: 10/30/2012

this data under their own operating conditions to determine whether the product is suitable for their purpose and they assume all risks of their use, handling, and disposal of the product are from the publication or use of or reliance upon information contained herein.

Revision Date: 10/31/2012