

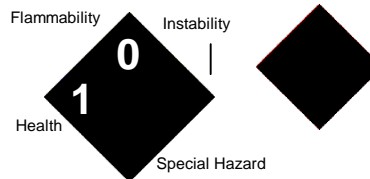
SAFETY DATA SHEET

SHALE INHIBITOR AND CLAY CONTROL

Page: 1
Printed: 01/15/2013
Revision: 10/01/2012

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

HEALTH	1
FLAMMABILITY	0
PHYSICAL	0
PPE	B



1. Product and Company Identification

Product Code: SHALE INHIBITOR
Product Name: SHALE INHIBITOR AND CLAY CONTROL
Trade Name: SHALE INHIBITOR AND CLAY CONTROL

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

GHS Classification	Placard	Key word	GHS Hazard
Serious Eye Damage/Eye Irritation, Category 2A	Exclamation point	Warning	Causes serious eye irritation

GHS Hazard Phrases

H319 - Causes serious eye irritation.

GHS Precaution Phrases

P264 - Wash hands thoroughly after handling. P280 - Wear protective gloves/clothing and eye/face protection as specified by the manufacturer/supplier or the competent authority.

GHS Response Phrases

P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+313 - If eye irritation persists, get medical advice/attention.

GHS Storage and Disposal Phrases

P403+235 - Store in cool/well-ventilated place. P501 - Dispose of contents/container to ... (in accordance with local/regional/national/international regulation).

Potential Health Effects (Acute and Chronic)

Eye: Causes eye irritation.

Skin: Causes skin irritation.

Ingestion: May cause gastrointestinal irritation with nausea, vomiting and diarrhea.

Inhalation: Causes respiratory tract irritation. Inhalation at high concentrations may cause CNS depression and asphyxiation.

Chronic: Prolonged or repeated skin contact may cause dermatitis.

Inhalation

May cause respiratory irritation.

Skin Contact

May cause skin irritation.

Eye Contact

Causes serious eye irritation.

SAFETY DATA SHEET

SHALE INHIBITOR AND CLAY CONTROL

Page: 2
Printed: 01/15/2013
Revision: 10/01/2012

Ingestion

May cause irritation of the digestive tract.

Medical Conditions Generally Aggravated By Exposure

No medical conditions are known to be aggravated.

OSHA Regulatory Status:

This material is classified as hazardous under OSHA regulations.

3. Composition/Information on Ingredients

Hazardous Components (Chemical Name)	CAS #	Concentration
1. Methanol	67-56-1	34.0 %
2. MIXTURE OF NON-HAZARDOUS ORGANIC SHALE AND CLAY CONTROL PRODUCTS	NA	25.0 %
3. Ethylene glycol	107-21-1	5.0 %

4. First Aid Measures

Emergency and First Aid Procedures

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin: Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

Ingestion: Never give anything by mouth to an unconscious person. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.

Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

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

Flush with copious amounts of water for at least 15 minutes. Call a physician.

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.

Note to Physician

Treat symptomatically and supportively.

Signs and Symptoms Of Exposure

Gastrointestinal disturbances.

Eyes will be irritated upon contact.

5. Fire Fighting Measures

Flash Pt: > 200.00 F Method Used: TAG Closed Cup

Explosive Limits: LEL: No data. UEL: No data.

Autoignition Pt: > 500.00 C

Fire Fighting Instructions

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Use water spray to keep fire-exposed containers cool. Combustible liquid.

Containers may explode when heated.

Flammable Properties and Hazards

Will not burn under normal conditions.

Hazardous Combustion Products

May form Carbon Monoxide and Carbon Dioxide.

Suitable Extinguishing Media

In case of fire, use water, dry chemical, chemical foam, or alcohol-resistant foam. Use water spray to cool fire-exposed containers.

Unsuitable Extinguishing Media

May foam when mixed with water.

6. Accidental Release Measures

Steps To Be Taken In Case Material Is Released Or Spilled

Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container.

Clean up spills immediately, observing precautions in the Protective Equipment section. Provide ventilation. Do not let this chemical enter the environment.

Protective Precautions, Protective Equipment and Emergency Procedures

Goggles.

7. Handling and Storage

Precautions To Be Taken in Handling

Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use only in a well-ventilated area. Avoid contact with eyes, skin, and clothing. Empty containers retain product residue, (liquid and/or vapor), and can be dangerous. Keep container tightly closed. Avoid ingestion and inhalation. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames.

Precautions To Be Taken in Storing

Store in a cool, dry place. Do not store in metal containers. Keep container tightly closed.

Other Precautions

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

8. Exposure Controls/Personal Protection

Hazardous Components (Chemical Name)	CAS #	OSHA PEL	ACGIH TWA	Other Limits
1. Methanol	67-56-1	No data.	No data.	No data.
2. MIXTURE OF NON-HAZARDOUS ORGANIC SHALE AND CLAY CONTROL PRODUCTS	NA	No data.	No data.	No data.
3. Ethylene glycol	107-21-1	No data.	CEIL: 100 mg/m3 (H)	No data.

Respiratory Equipment (Specify Type)

A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

Eye Protection

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Protective Gloves

Wear appropriate protective gloves to prevent skin exposure.

Other Protective Clothing

Wear appropriate protective clothing to prevent skin exposure.

Engineering Controls (Ventilation etc.)

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use with adequate ventilation.

SAFETY DATA SHEET

SHALE INHIBITOR AND CLAY CONTROL

Page: 4
Printed: 01/15/2013
Revision: 10/01/2012

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 - 0.00 C
Explosive Properties	
Material will not burn under normal circumstances.	
Boiling Point:	> 500.00 C - 0.00 C
Decomposition Temperature:	NP
Autoignition Pt:	> 500.00 C
Flash Pt:	> 200.00 F Method Used: TAG Closed Cup
Specific Gravity (Water = 1):	1.05
Density:	8.75 LB/GA
Bulk density:	NR
Vapor Pressure (vs. Air or mm Hg):	< 0.01 ATM
Vapor Density (vs. Air = 1):	> 1. LB/GA
Evaporation Rate:	>=0.01 (H2O=1)
Solubility in Water:	Complete
Solubility Notes	
Completely soluble in water.	
Percent Volatile:	N.A.
VOC / Volume:	NP
HAP / Volume:	NP
Saturated Vapor Concentration:	NE
Viscosity:	NE
Heat Value:	NR
Particle Size:	NR
Corrosion Rate:	NR
pH:	NR

Appearance and Odor

Characteristic. Greenish.

10. Stability and Reactivity

Stability: Unstable [] Stable [X]

Reactivity

None known.

Conditions To Avoid - Instability

Stable as supplied.

Incompatibility - Materials To Avoid

Incompatible Materials - Metals and excess heat.

Hazardous Decomposition Or Byproducts

Carbon Monoxide and Carbon Dioxide.

Possibility of Hazardous Reactions: Will occur [] Will not occur [X]

Conditions To Avoid - Hazardous Reactions

None known.

11. Toxicological Information

Toxicological Information

Route of Exposure: Skin - May cause skin irritation. Skin absorption - May be harmful if absorbed through skin.
 Eye contact - May cause eye irritation. Inhalation - Harmful if swallowed.

Irritation or Corrosion

Ocular.

Symptoms related to Toxicological Characteristics

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

Carcinogenicity/Other Information

CAS# 1973-22-4: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

Hazardous Components (Chemical Name)	CAS #	NTP	IARC	ACGIH	OSHA
1. Methanol	67-56-1	n.a.	n.a.	n.a.	n.a.
2. MIXTURE OF NON-HAZARDOUS ORGANIC SHALE AND CLAY CONTROL PRODUCTS	NA	n.a.	n.a.	n.a.	n.a.
3. Ethylene glycol	107-21-1	n.a.	n.a.	A4	n.a.

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

12. Ecological Information

General Ecological Information

Biodegradation - Material expected to be readily biodegradable. Hydrolysis - Material transformation to Hydrolysis not expected to be significant. Photolysis - Material transformation due to Photolysis not expected to be significant. Atmospheric Oxidation - Material expected to degrade rapidly in air.

13. Disposal Considerations

Waste Disposal Method

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

14. Transport Information

Globally Harmonized System of Classification and Labelling

Serious Eye Damage/Eye Irritation, Category 2A - Warning! Causes serious eye irritation

LAND TRANSPORT (US DOT)

DOT Proper Shipping Name SHALE INHIBITOR. DOT not regulated in non-bulk shipments of less than 3049 gallons.
DOT Hazard Class: 9
DOT Hazard Label: CLASS 9

LAND TRANSPORT (Canadian TDG)

TDG Shipping Name No information available.

AIR TRANSPORT (ICAO/IATA)

ICAO/IATA Shipping Name Non-Hazardous for Air Transport: Non-hazardous for air transport.
Hazard Class: 9 - CLASS 9

15. Regulatory Information

Regulatory Information

All chemical substances in this material do not exceed a reporting threshold under TSCA or SARA Section 302-304-311-313. This product is not regulated by the DOT in non-bulk shipments of amounts of less than 100,000 lbs (Methanol - IPA)

16. Other Information

Company Policy or Disclaimer

For industrial use only. 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 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: 10/01/2012