

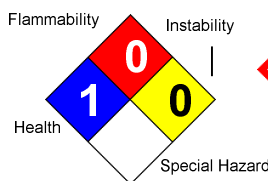
SAFETY DATA SHEET

S-455,Scale Inhibitor

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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: S-455-1
Product Name: S-455,Scale Inhibitor
Trade Name: S-455, Scale Inhibitor
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
Corrosive To Metals, Category 1	Corrosive	Warning	May be corrosive to metals
Skin Corrosion/Irritation, Category 2	Exclamation point	Warning	Causes skin irritation

GHS Hazard Phrases

H290 - May be corrosive to metals. H315 - Causes skin irritation.

GHS Precaution Phrases

P234 - Keep only in original container. P264 - Wash hands thoroughly after handling. P280 - Wear protective gloves/protective clothing/eye protection/face protection.

GHS Response Phrases

P390 - Absorb spillage to prevent material damage. P302+352 - IF ON SKIN: Wash with plenty of soap and water. P332+313 - If skin irritation occurs, get medical advice/attention. P362 - Take off contaminated clothing and wash before re-use.

GHS Storage and Disposal Phrases

P406 - Store in corrosive resistant/... container with a resistant inner liner.

Potential Health Effects (Acute and Chronic)

Eye: May cause eye irritation.

Skin: May cause skin irritation.

Ingestion: May cause irritation of the digestive tract. May cause respiratory tract irritation.

Inhalation

May cause irritation of the respiratory tract.

Skin Contact

Not irritating but may cause slight local redness.

Eye Contact

Causes serious eye irritation.

Ingestion

May cause abdominal discomfort.

Medical Conditions Generally Aggravated By Exposure

Repeated skin contact may cause dermatitis.

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	20.0 %
2. Polyphosphoric acids, esters with triethanolamine	68131-71-5	20.0 %

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 immediately.

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

Ingestion: If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. 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

Wash thoroughly with water.

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.

In Case of Ingestion

Wash out mouth with water provided person is conscious.

Note to Physician

Treat symptomatically and supportively.

Indication of any immediate medical attention and special treatment needed

Wash with soap and water.

Signs and Symptoms Of Exposure

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

5. Fire Fighting Measures

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

Explosive Limits: LEL: NA UEL: NA

Autoignition Pt: > 500.00 C

Fire Fighting Instructions

Wear appropriate protective clothing to prevent contact with skin and eyes.

Flammable Properties and Hazards

Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank. Will not burn under normal conditions.

Hazardous Combustion Products

Carbon Dioxide and Carbon Monoxide.

Suitable Extinguishing Media

Use water spray, dry chemical, carbon dioxide, or appropriate foam.

Unsuitable Extinguishing Media

None known.

6. Accidental Release Measures

Steps To Be Taken In Case Material Is Released Or Spilled

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

Goggles.

Environmental Precautions

To avoid foaming, do not use water to flush away spills.

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. Do not reuse this container.

Other Precautions

"Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION. THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner, or properly disposed of.

8. Exposure Controls/Personal Protection

Hazardous Components (Chemical Name)	CAS #	OSHA PEL	ACGIH TLV	Other Limits
1. Methanol	67-56-1	No data.	No data.	No data.
2. Polyphosphoric acids, esters with triethanolamine	68131-71-5	No data.	No data.	No data.

Respiratory Equipment (Specify Type)

None expected to be needed.

Eye Protection

Splash proof safety goggles.

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.)

Safety shower and eye bath.

Work/Hygienic/Maintenance Practices

Wash thoroughly after handling.

Do not smoke while handling. Handle in accordance with good industrial hygiene and safety practice.

9. Physical and Chemical Properties

Physical States: [] Gas [X] Liquid [] Solid

Freezing Point: < 0.00 F

Explosive Properties

None.

Oxidizing Properties

None.

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Boiling Point: > 300.00 F
Autoignition Pt: > 500.00 C
Flash Pt: > 200.00 F Method Used: TAG Closed Cup
Explosive Limits: LEL: NA UEL: NA
Specific Gravity (Water = 1): 1.137
Vapor Pressure (vs. Air or mm Hg): < 0.01
Vapor Density (vs. Air = 1): > 1.0
Evaporation Rate: < 0.01
Solubility in Water: Complete
Solubility Notes
Completely soluble in water.
Percent Volatile: N.A.
pH: < 4.0
Appearance and Odor
green. Acetic odor.

10. Stability and Reactivity

Stability: Unstable [] Stable [X]

Reactivity

Mixing Alkaline substances with material will cause a strong reaction.

Conditions To Avoid - Instability

Incompatible materials, metals and excess heat.

Incompatibility - Materials To Avoid

Mixing Alkaline substances with material will cause a strong reaction. Oxidizing agents.

Hazardous Decomposition Or Byproducts

Carbon Monoxide and Carbon Dioxide. Phosphorous oxides.

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

Conditions To Avoid - Hazardous Reactions

No data available.

11. Toxicological Information

Irritation or Corrosion

Ocular.

Symptoms related to Toxicological Characteristics

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.

Hazardous Components (Chemical Name)	CAS #	NTP	IARC	ACGIH	OSHA
1. Methanol	67-56-1	n.a.	n.a.	n.a.	n.a.
2. Polyphosphoric acids, esters with triethanolamine	68131-71-5	n.a.	n.a.	n.a.	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. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

14. Transport Information

LAND TRANSPORT (US DOT)

DOT Proper Shipping Name Not regulated as a hazardous material. Cleaning Compound Not Regulated.
Packing Group: III

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.
Packing Group: III

Additional Transport Information

DOT not regulated in non-bulk shipments of less than 3049 gallons.

15. Regulatory Information

Regulatory Information

US Regulations: Considered hazardous by the OSHA hazard communication standard. OSHA process safety (PSM) not regulated. TSCA all components are listed or exempt. CERCLA /No. Sara / immediate yes . all others no.

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.

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