SAFETY DATA SHEET

C-304 Water Soluble Corrosion Inhibitor

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Pumping Jack Chemicals, Inc.
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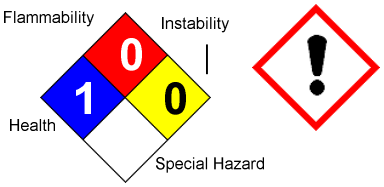
Earlsboro, OK 74840



1. Product and Company Identification

Product Code: C-304-1

Product Name: C-304 Water Soluble Corrosion Inhibitor

Trade Name: C-304, Water Soluble Corrosion Inhibitor

Manufacturer Information

Company Name: Pumping Jack Chemicals, Inc.

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Synonyms

C-304, Water Soluble Corrosion Inhibitor.

2. Hazards Identification

GHS Classification	Placard	Key word	GHS hazard phrase
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/protective clothing/eye protection/face protection.

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 ....

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 asphixiation.
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.

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. N-Talbwalkyltrimethylenediamines	NA	25.0 %
3. Acetic acid	64-19-7	8.0 %

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

Product will 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.

Environmental Precautions

Product will normally gel when exposed to air. Shovel up gel product.

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 TLV	Other Limits
1. Methanol	67-56-1	No data.	No data.	No data.
2. N-Talbwalkyltrimethylenediamines	NA	No data.	No data.	No data.
3. Acetic acid	64-19-7	No data.	No data.	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.

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): 0.956

Density: 0.956 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

Acetic odor. Amber Liquid.

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. N-Talbwalkyltrimethylenediamines	NA	n.a.	n.a.	n.a.	n.a.
3. Acetic acid	64-19-7	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. 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

LAND TRANSPORT (US DOT)

DOT Proper Shipping Name: Cleaning Compound. DOT not regulated in non-bulk shipments in less than 3049 gallons in a single container.

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 excede 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.

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