SAFETY DATA SHEET

CS-366 Corrosion and Scale Inhibitor

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Pumping Jack Chemicals, Inc.
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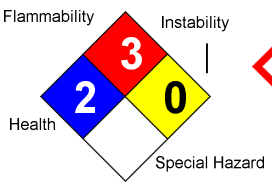
Earlsboro, OK 74840



1. Product and Company Identification

Product Code: CS-366

Product Name: CS-366 Corrosion and Scale Inhibitor

Trade Name: Oil Soluble Corrosion and Scale Inhibitor

Manufacturer Information

Company Name: Pumping Jack Chemicals, Inc.

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2. Hazards Identification

GHS Classification	Placard	Key word	GHS hazard phrase
Flammable Liquids, Category 3	Flame	Warning	Flammable liquid and vapor
Acute Toxicity: Skin, Category 4	Exclamation point	Warning	Harmful in contact with skin

GHS Hazard Phrases

H226: Flammable liquid and vapor.
H312: Harmful in contact with skin.
H332: Harmful if inhaled.
H314: Causes severe skin burns and eye damage.
H290: May be corrosive to metals
H302: Harmful if swallowed.
H318: Causes serious eye damage

GHS Precaution Phrases

P233: Keep container tightly closed.
P210: Keep away from {heat/sparks/open flames/hot surfaces}. - No smoking.
P280: Wear protective gloves/clothing and eye/face protection as specified by the manufacturer/supplier or the competent authority.
P271: Use only outdoors or in a well-ventilated area.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
p-264: Wash hands thoroughly after handling.
P234: Keep only in original container.
P270: Do not eat, drink or smoke when using this product.

GHS Response Phrases

P370+378: In case of fire, use ... for extinction ... appropriate media specified by the manufacturer/supplier or the competent authority - if water increases risk.
P303+361+353: IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
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) ... reference to supplemental first aid instruction - if immediate measures such as specific cleansing agent is advised.
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.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

present and easy to do. Continue rinsing.
P301+330+331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P310: Immediately call a POISON CENTER or doctor/physician.
P321: Specific treatment (see ... on this label) ... reference to supplemental first aid instruction - if immediate administration of antidote is required.
P390: Absorb spillage to prevent material damage.
P301+312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P330: Rinse mouth.

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)

Inhalation

May cause irritation of the respiratory tract.

Skin Contact

Causes skin burns, irritation and possible allergic reaction.

Eye Contact

Causes severe eye irritation.

Ingestion

May cause abdominal discomfort.

Medical Conditions Generally Aggravated By Exposure

None known

OSHA Regulatory Status:

This material is classified as hazardous under OSHA regulations.

3. Composition/Information on Ingredients

Hazardous Components (Chemical Name)	CAS #	Concentration
1. Xylene (mixed isomers)	1330-20-7	80.0 %
2. Phenol, p-tert-butyl-, polymer with ethylene oxide, formaldehyde and propylene	30704-64-4	2.0 %
3. Polyphosphoric acids, esters with triethanolamine	68131-71-5	5.0 %
4. Amidoimidazoline / Fatty Acid Mixture Blended	NA	13.0 %

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

In Case of Skin Contact

Remove contaminated clothing. Wash skin with soap and water.

In Case of Eye Contact

Immediately flush eyes with plenty of water for at least 15 minutes.

In Case of Ingestion

If patient is conscious, give 2 glasses of water, do not induce vomiting. : If patient is unconscious, seek medical attention.

Note to Physician

Treat symptomatically and supportively.

Signs and Symptoms Of Exposure

Repeated skin contact may cause dermatitis.

5. Fire Fighting Measures

Flash Pt: 79.00 F Method Used: TAG Closed Cup

Explosive Limits: LEL: 1 UEL: 7

Autoignition Pt: > 810.00 F

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.

Flammable Properties and Hazards

Vapors may travel to source of ignition and flash back. Vapor explosion hazard indoors, outdoors or in sewers. Runoff to sewer may create fire or explosion hazard. Containers may explode when heated. Many liquids are lighter than water.

Hazardous Combustion Products

Carbon Dioxide and Carbon Monoxide

Suitable Extinguishing Media

Dry chemical, CO2, sand, earth, water spray or regular foam.

Unsuitable Extinguishing Media

None Known.

6. Accidental Release Measures

Steps To Be Taken In Case Material Is Released Or Spilled

Avoid runoff into storm sewers and ditches which lead to waterways. Use proper personal protective equipment as indicated in Section {8}. Spills/Leaks: Clean up spills immediately, observing precautions in the Protective Equipment section. Sweep up or absorb material, then place into a suitable clean, dry, closed container for disposal. Avoid generating dusty conditions. Provide ventilation.

Protective Precautions, Protective Equipment and Emergency Procedures

Safety glasses Rubber or neoprene gloves Eye wash station in work area Wash hands after use. Do not smoke. Launder contaminated clothing.

Environmental Precautions

Immediately contain spills with inert material, and absorb with sand or other absorbent.

7. Handling and Storage

Precautions To Be Taken in Handling

Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation. Empty containers retain product residue, (liquid and/or vapor), and can be dangerous.

Precautions To Be Taken in Storing

Keep container closed when not in use. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Empty containers retain product residue, (liquid and/or vapor), and can be dangerous. Flammable Liquid and Vapor Do not reuse this container.

8. Exposure Controls/Personal Protection

Hazardous Components (Chemical Name)	CAS #	OSHA PEL	ACGIH TWA	Other Limits
1. Xylene (mixed isomers)	1330-20-7	PEL: 100 ppm	TLV: 100 ppm STEL: 150 ppm	No data.

Hazardous Components (Chemical Name)	CAS #	OSHA PEL	ACGIH TWA	Other Limits
2. Phenol, p-tert-butyl-, polymer with ethylene oxide, formaldehyde and propylene	30704-64-4	No data.	No data.	No data.
3. Polyphosphoric acids, esters with triethanolamine	68131-71-5	No data.	No data.	No data.
4. Amidoimidazoline / Fatty Acid Mixture Blended	NA	No data.	No data.	No data.

Respiratory Equipment (Specify Type)

Use a NIOSH/MSHA or European Standard EN {149} approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

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.)

Use adequate ventilation to keep airborne concentrations low.

Work/Hygienic/Maintenance Practices

Wash thoroughly after handling. Handle in accordance with good industrial hygiene and safety practice.

Environmental Exposure Controls

Use with adequate ventilation.

9. Physical and Chemical Properties

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

Melting Point: No data.

Boiling Point: 282.00 F - 286.00 F

Autoignition Pt: > 810.00 F

Flash Pt: 79.00 F Method Used: TAG Closed Cup

Explosive Limits: LEL: 1 UEL: 7

Specific Gravity (Water = 1): .87

Vapor Pressure (vs. Air or mm Hg): 14.2

Vapor Density (vs. Air = 1): > 1.0

Evaporation Rate: .8

Solubility in Water: Dispersible

Solubility Notes

Oil Soluble Water Dispersible

Percent Volatile: N.A.

Appearance and Odor

Amber Liquid
Characteristic Hydrocarbon odor.

10. Stability and Reactivity

Stability: Unstable [ ] Stable [X]

Conditions To Avoid - Instability

Stable as supplied.

Incompatibility - Materials To Avoid

Plastic containers.

Hazardous Decomposition Or Byproducts

Carbon Dioxide and Carbon Monoxide

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

Conditions To Avoid - Hazardous Reactions

None known.

11. Toxicological Information

Hazardous Components (Chemical Name)	CAS #	NTP	IARC	ACGIH	OSHA
1. Xylene (mixed isomers)	1330-20-7	n.a.	3	A4	n.a.
2. Phenol, p-tert-butyl-, polymer with ethylene oxide, formaldehyde and propylene	30704-64-4	n.a.	n.a.	n.a.	n.a.
3. Polyphosphoric acids, esters with triethanolamine	68131-71-5	n.a.	n.a.	n.a.	n.a.
4. Amidoimidazoline / Fatty Acid Mixture Blended	NA	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 {261.3}. 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 Flammable liquids, n.o.s.

DOT Hazard Class: 3

DOT Hazard Label: FLAMMABLE LIQUID

UN/NA Number: UN1993

Packing Group: III

Precautionary Label DANGER! Flammable Liquid and Vapor

Additional Transport Information

This chemical is regulated by the DOT in shipments of more than 1,000 lbs.

15. Regulatory Information

Regulatory Information

This product components are listed in TSCA inventory SARA Title III classified under the following hazardous categories: Fire, Acute (Immediate) Health Hazard Chronic (Delayed) Health Hazard (40 CFR 370.2)

16. Other Information

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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