



Safety Data Sheet



ISSUED: 24-AUG-2019

REVISION: 20-JAN-2026

VERSION: 1

1. IDENTIFICATION

Product Identifier

Product Name Valve Treatment Removed

Other means of identification

SDS # UC-005

UN/ID No UN1805

Recommended use of the chemical and restrictions on use

Recommended Use Natural Gas Compressor Injection

Details of the supplier of the safety data sheet

Supplier Address

Ultimate Chemicals, LLC
PO Box 7557
Moore, OK 73153

Emergency Telephone Number

Company Phone Number Phone: 405-703-2771
Emergency Telephone (24 hr.) INFOTRAC 1-800-535-5053 (North America)
1-352-323-3500 (International)

2. HAZARDS IDENTIFICATION

Appearance Orange Liquid

Physical State Liquid

Odor Slight Acidic

Classification

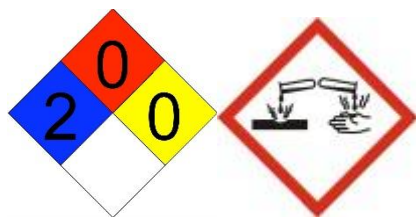
Skin corrosion/irritation	Category 1 Sub-category B
Serious eye damage/eye irritation	Category 1

Signal Word

Danger

Hazard Statements

Causes severe skin burns and eye damage.



Precautionary Statements - Prevention

Do not breath dust/fumes/gas/mist/vapors/spray.
Wash face, hands, and any exposed skin thoroughly after handling.
Keep away from pets and children.
Wear protective gloves/protective clothing/eye protection/face protection.



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Precautionary Statements – Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing. Immediately call a poison center or doctor/physician.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.

IF INHALED: Remove victim to fresh air and keep at rest in position comfortable for breathing.

IF SWALLOWED: DO NOT induce vomiting. Drink plenty of water. Obtain medical attention.

Precautionary Statements - Storage

Store locked up.

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant.

Other Hazards

Toxic to aquatic life with long lasting effects.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Phosphoric Acid	7664-38-2	20-30
Nonylphenol Ethoxylate	127087-87-0	<5
Proprietary Corrosion Inhibitor		<5
Proprietary Surfactant Blend		<12
Proprietary Friction Reducer		<2

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES

First Aid Measures

Eye Contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Immediately call a poison center or doctor/physician.
Skin Contact	Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Immediately call a poison center or doctor/physician.
Inhalation	Remove to fresh air. Call a physician immediately.
Ingestion	DO NOT induce vomiting. Drink plenty of water. Immediately call a poison center or doctor/physician.

Most important symptoms and effects

Symptoms	Causes severe skin burns and eye damage
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Indication of any immediate medical attention and special treatment needed

Notes to Physician

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Dry chemical. Carbon Dioxide (CO₂) Water spray (fog).

Unsuitable Extinguishing Media

Not determined.

Specific Hazards Arising from the Chemical

Oxides of phosphorus.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions

Use personal protective equipment as needed.

Environmental Precautions

See Section 12 for Ecological Information.

Methods and material for containment and cleaning up

Methods for Containment

Prevent further leakage or spillage if safe to do so.

Methods for Clean-Up

Soak up with inert absorbent material. Neutralize residue with citric acid or other neutralizing agents for basic materials. Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling

Handle in accordance with good industrial hygiene and safety practices. Avoid contact with skin, eyes, or clothing. Use personal protective equipment as required. Do not breathe vapors or spray mist. Wash face, hands, and any exposed skin thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Storage Conditions

Keep container tightly closed and store in a cool, dry, well-ventilated place. Store locked up. Keep out of reach of children. Protect from freezing. If product freezes, allow to thaw completely prior to use. Store away from incompatible materials.

Incompatible Materials

Strong alkalis. Bleach. Ammonia.



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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Phosphoric Acid 7664-38-2	STEL: 3 mg/m ³ TWA: 1 mg/m ³	TWA: 1 mg/m ³ (vacated) TWA: 1 mg/m ³ (vacated) STEL: 3 mg/m ³	IDLH: 1000 mg/m ³ TWA: 1 mg/m ³ STEL: 3 mg/m ³

Appropriate engineering controls

Engineering Controls Apply technical measures to comply with the occupational exposure limits. Ensure adequate ventilation, especially in confined areas. Eyewash stations. Showers.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Goggles and face shield as needed to prevent eye and face contact. Refer to 29 CFR 1910.133 for eye and face protection regulations.

Skin and Body Protection Wear suitable gloves. Wear suitable protective clothing. Refer to 29 CFR 1910.138 for appropriate skin and body protection.

Respiratory Protection Ensure adequate ventilation especially in confined areas. In case of inadequate ventilation, wear respiratory protection. Refer to 20 CFR 1910.134 for respiratory protection requirements.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice. Wash contaminated clothing before reuse. Wash face, hands and any exposed skin thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid	Odor	Slight acidic
Appearance	Orange Liquid	Odor Threshold	Not determined
Color	Orange	Remarks • Method	
Property	Values		
pH	2		
Melting Point/Freezing Point	Not determined		
Boiling Point/Boiling Range	102°C / 216°F		
Flash Point	Non-flammable		
Evaporation Rate	Same as water		
Flammability (Solid, Gas)	Liquid-not applicable		
Upper Flammability Limits	Not determined		
Lower Flammability Limit	Not determined		
Vapor Pressure	Same as water		
Vapor Density	Not determined		
Specific Gravity	1.26		
Water Solubility	Completely soluble		
Solubility in other solvents	Not determined		
Partition Coefficient	Not determined		



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Auto-ignition Temperature
Decomposition Temperature
Kinematic Viscosity
Dynamic Viscosity
Explosive Properties
Oxidizing Properties

Not determined
Not determined
Not determined
Not determined
Not determined
Not determined

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical Stability

Stable under normal conditions

Possibility of Hazardous Reactions

Vapors may cause explosive mixture with air. No decomposition if used as directed.

Conditions to Avoid

Keep out of reach of children. See section 7 Handling and Storage.

Incompatible Materials

Strong alkalis. Bleach. Ammonia.

Hazardous Decomposition Products

Oxides of phosphorus.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Eye Contact	Causes severe eye damage.
Skin Contact	Causes severe skin burns.
Inhalation	Avoid breathing vapors or mists.
Ingestion	Do not ingest.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Phosphoric Acid 7664-38-2	= 1530 mg/kg (Rat)	= 2740 mg/kg (Rabbit)	>850 mg/m ³ (Rat) 1 h
Nonylphenol Ethoxylate 127087-87-0	= 1310 mg/kg (Rat)	-	-

Information on physical, chemical and toxicological effects

Symptoms Please see section 4 of this SDS for symptoms.

Delayed and immediate effects as well as chronic effects from short and long-term exposure



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Carcinogenicity

Based on the information provided, this product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC, or NTP.

Numerical measures of toxicity

Not determined

12. ECOLOGICAL INFORMATION

Ecotoxicity

Toxic to aquatic life with long lasting effects.

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Phosphoric Acid 7664-38-2		3-3.5 : 96 h Gambusia affinis mg/L LC50 static		4.6 : 12 h Daphnia magna mg/L EC50

Persistence/Degradability

Readily biodegradable.

Bioaccumulation

Not determined.

Mobility

Not determined.

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging

Disposal should be in accordance with applicable regional, national and local laws and regulations.

California Hazardous Waste Status

Chemical Name	California Hazardous Waste Status
Phosphoric Acid 7664-38-2	Corrosive

14. TRANSPORT INFORMATION

Note

Please see current shipping paper for most up to date shipping information, including



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exemptions and special circumstances. Based on package size, product may be eligible for limited quantity exception.

DOT

UN/ID No UN1805
Proper Shipping Name Phosphoric Acid solution
Hazard Class 8
Packing Group III

IATA

UN/ID No UN1805
Proper Shipping Name Phosphoric Acid solution
Hazard Class 8
Packing Group III

IMDG

UN/ID No UN1805
Proper Shipping Name Phosphoric Acid solution
Hazard Class 8
Packing Group III

15. REGULATORY INFORMATION

International Inventories

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Phosphoric Acid	Present	X		Present		Present	X	Present	X	X
Nonylphenol Ethoxylate	Present	X				Present	X	Present	X	X

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

US Federal Regulations

CERCLA

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Phosphoric Acid 7664-38-2	5,000 lb.		RQ 5,000 lb final RQ RQ 2270 kg final RQ



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CWA (Clean Water Act)

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Phosphoric Acid	5,000 lb.			X

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Phosphoric Acid 7664-38-2	X	X	X

16. OTHER INFORMATION

NFPA

Health Hazards

2

Flammability

0

Instability

0

Special Hazards

Not determined

HMIS

Health Hazards

2

Flammability

0

Physical Hazards

0

Personal Protection

Not determined

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24-Aug-2019

Revision Date:

20-Jan-2026

Revision Note:

New format

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet