



Safety Data Sheet



ISSUED: 12-JUN-2015

REVISION: 20-JAN-2026

VERSION: 1

1. IDENTIFICATION

Product Identifier

Product Name Preventive Maintenance Flush Ready-to-Use

Other means of identification

SDS # UC-024

UN/ID No

Recommended use of the chemical and restrictions on use

Recommended Use Dissolves buildup in cooling systems.

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 Clear Liquid

Physical State Liquid

Odor Slight Solvent

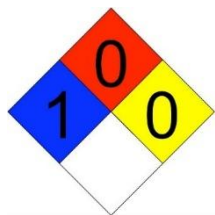
Classification

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

Signal Word

Hazard Statements

None.



Precautionary Statements - Prevention

Normal for handling of liquids and drum sized containers.
Protect from freezing. If allowed to freeze, thaw completely before use.
Keep away from pets and children.
Keep out of eyes and avoid prolonged exposure to skin.



Safety Data Sheet



ISSUED: 12-JUN-2015

REVISION: 20-JAN-2026

VERSION: 1

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 with neutralizing eyewash.

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 apposition comfortable for breathing.

IF SWALLOWED: Induce vomiting. Drink large quantity of milk. Obtain medical attention.

Precautionary Statements - Storage

Store locked up.

Wear goggles if splashing may occur

High concentration of product on floor may be slippery. Use caution.

Precautionary Statements - Disposal

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

Dilute to a weak solution and flush down drain.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Biodegradable anionic and nonionic surfactants	Mixture	<20
Mixture of propylene glycol butoxy & glycol ether EB	Mixture	<4

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.

Ingestion

Induce vomiting. Drink large quantity of milk. Immediately call a poison center or doctor/physician.

Most important symptoms and effects

Symptoms

Indication of any immediate medical attention and special treatment needed

Notes to Physician

Treat symptomatically.



Safety Data Sheet



ISSUED: 12-JUN-2015

REVISION: 20-JAN-2026

VERSION: 1

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water can be used to cool containers exposed to fire.

Unsuitable Extinguishing Media

Not determined.

Specific Hazards Arising from the Chemical

Corrosive material. Non-flammable.

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

Acids. Bleach. Ammonia.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Biodegradable anionic & nonionic surfactants	NE	NE	NE
Mixture of propylene glycol butoxy & glycol ether EB	NE	NE	NE



Safety Data Sheet



ISSUED: 12-JUN-2015

REVISION: 20-JAN-2026

VERSION: 1

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	Pleasant
Appearance	Clear Liquid	Odor Threshold	Not determined
Color	Clear	Remarks • Method	
<u>Property</u>	<u>Values</u>		
pH	14.0 (concentrate) 12.5 (10% water solution) 12.0 (5% water solution) 10.2 (1% water solution)		
Melting Point/Freezing Point	Not determined		
Boiling Point/Boiling Range	100°C / 214°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	0.99 g/m ³		
Water Solubility	Emulsifies		
Solubility in other solvents	Not determined		
Partition Coefficient	Not determined		
Auto-ignition Temperature	Not determined		
Decomposition Temperature	Not determined		
Kinematic Viscosity	Not determined		
Dynamic Viscosity	Not determined		
Explosive Properties	Not determined		
Oxidizing Properties	Not determined		



Safety Data Sheet



ISSUED: 12-JUN-2015

REVISION: 20-JAN-2026

VERSION: 1

10. STABILITY AND REACTIVITY

Reactivity

Stable.

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

Oxidizing agents.

Hazardous Decomposition Products

Carbon oxides.

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
Biodegradable anionic & nonionic surfactants	Acute oral toxicity estimate: >5,000 mg/kg	May cause skin irritation and/or dermatitis	-

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

Carcinogenicity No data available.

Numerical measures of toxicity

Not determined



Safety Data Sheet



ISSUED: 12-JUN-2015

REVISION: 20-JAN-2026

VERSION: 1

12. ECOLOGICAL INFORMATION

Ecotoxicity

This product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Biodegradable anionic & nonionic surfactants				

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

14. TRANSPORT INFORMATION

Note

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances. Based on package size, product may be eligible for limited quantity exception.

DOT

UN/ID No

Proper Shipping Name

Hazard Class

Packing Group

NOT REGULATED AS DANGEROUS GOODS OR HAZARDOUS MATERIALS



Safety Data Sheet



ISSUED: 12-JUN-2015

REVISION: 20-JAN-2026

VERSION: 1

IATA

UN/ID No

Proper Shipping Name

Hazard Class

Packing Group

NOT REGULATED AS DANGEROUS GOODS OR HAZARDOUS MATERIALS

IMDG

UN/ID No

Proper Shipping Name

Hazard Class

Packing Group

NOT REGULATED AS DANGEROUS GOODS OR HAZARDOUS MATERIALS

15. REGULATORY INFORMATION

International Inventories

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS

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)

CWA (Clean Water Act)

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances



Safety Data Sheet



ISSUED: 12-JUN-2015

REVISION: 20-JAN-2026

VERSION: 1

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

16. OTHER INFORMATION

NFPA

Health Hazards

1

Flammability

0

Instability

0

Special Hazards

Not determined

HMIS

Health Hazards

1

Flammability

0

Physical Hazards

0

Personal Protection

Not determined

Issue Date:

12-June-2015

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