

Issue Date: 23-Jan-2013

Revision Date: 19-Nov-2015

Version 2

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name United 317 Cooling Tower Anti-Freeze

Other means of identification

SDS # UNITED-317

Recommended use of the chemical and restrictions on use

Recommended Use Cooling System Anti-Freeze

Details of the supplier of the safety data sheet

Supplier Address

United Laboratories, Inc.
320 37th Avenue
St. Charles, IL 60174
www.unitedlabsinc.com
www.unitedlabsinc.ca

Emergency Telephone Number

Company Phone Number 800-323-2594 (to reorder)
Emergency Telephone (24 hr) INFOTRAC 1-800-535-5053 (North America)
1-352-323-3500 (International)

2. HAZARDS IDENTIFICATION

Appearance Clear-colorless

Physical State Liquid

Odor Nearly odorless

Classification

This chemical does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). However, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

Label elements

Signal Word None

Hazard statements None

3. COMPOSITION/INFORMATION ON INGREDIENTS

The product contains no substances which, at their given concentration, are considered to be hazardous to health. However, additional component information is available in subsequent sections of this SDS.

4. FIRST-AID MEASURES

First Aid Measures

Eye Contact Immediately flush eyes with water. Flush eyes with water for a minimum of 15 minutes, occasionally lifting and lowering upper eyelids. Get medical attention promptly.

Skin Contact	Remove contaminated clothing. Wash skin with soap and water. Get medical attention. Wash separately and clean shoes before reuse.
Inhalation	Rescuers should put on appropriate protective gear. Remove from area of exposure. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Keep victim warm. Get immediate medical attention.
Ingestion	If swallowed, do NOT induce vomiting. Give victim a glass of water. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Carbon Dioxide, Dry Chemical, Foam and Water Fog.

Unsuitable Extinguishing Media Not determined

Specific Hazards Arising from the Chemical

Can form explosive mixtures at temperatures at or above the flashpoint. Vapors/dust may cause flash fire or explosion. 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. Also, do not reuse container without commercial cleaning or reconditioning.

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. Avoid use of solid water streams. Water sprays to cool containers or protect personnel. Use with caution. Water runoff can cause environmental damage. Dike and collect water used to fight fire. Small fires: dry chemical, carbon dioxide, water spray or alcohol-resistant foam. Large fires: water spray, water fog, and alcohol-resistant foam.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Wear appropriate personal protective equipment as required.

Methods and material for containment and cleaning up

Methods for Containment Eliminate all ignition sources. Prevent additional discharge of material if able to do so safely. Do not touch or walk through spilled material. Avoid runoff into storm sewers and ditches which lead to waterways.

Methods for Clean-Up Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling Use only in a well ventilated area. Avoid breathing vapor, fumes or mist. Avoid contact with eyes, skin and clothing. Follow all SDS label precautions even after containers are emptied because they may retain product residue.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep away from heat, sparks, and flame. Store containers in a cool, well ventilated place. Keep container closed when not in use.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Appropriate engineering controls

Engineering Controls No information available.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Use chemical splash goggles and face shield. (ANSI Z87.1 or approved equivalent).

Skin and Body Protection Wear impervious gloves to prevent contact with the skin. Wear protective gear as needed – suit, boots, apron.

Respiratory Protection A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant the use of a respirator.

Other protective equipment Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

General Hygiene Considerations Wash thoroughly after handling. Wash hands before eating. Remove contaminated clothing and wash before reuse. Avoid breathing vapors. Do not eat, drink, or smoke in areas where this material is used.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid	Odor	Nearly odorless
Appearance	Clear liquid	Odor Threshold	Not determined
Color	Clear-colorless		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	6 - 7	
Melting Point/Freezing Point	No information available	
Boiling Point/Boiling Range	363°-372°F	
Flash Point	228 °F	
Evaporation Rate	0.01	
Flammability (Solid, Gas)	No information available	
Upper Flammability Limits	No information available	
Lower Flammability Limit	No information available	
Vapor Pressure	No information available	
Vapor Density	2.6	
Density, g/cm3	1.037	
Specific Gravity	No information available	
Water Solubility	Soluble	
Solubility in other solvents	No information available	
Partition Coefficient	No information available	
Auto-ignition Temperature	No information available	
Decomposition Temperature	No information available	
Explosive Properties	2.6-12.5	
VOC Content	None	

10. STABILITY AND REACTIVITY

Reactivity

No information available.

Possibility of Hazardous Reactions

Under normal conditions of storage and use, hazardous polymerization will not occur.

Conditions to Avoid

Avoid excess heat and sources of ignition.

Incompatible Materials

Prevent contact with isocyanates. Keep away from acids.

Hazardous Decomposition Products

Toxic gases/fumes are given off during burning or thermal decomposition. During combustion carbon dioxide may be formed. During combustion carbon monoxide may be formed.

Hazardous Polymerization

No information available.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure**Product Information – Effects**

Eye Contact	Contact with eye may cause mild irritation.
Skin Contact	Low order of toxicity.
Inhalation	May be irritating to the respiratory system. May cause dizziness and drowsiness.
Ingestion	Ingestion may cause gastrointestinal tract irritation. May cause central nervous system depression.

Information on physical, chemical and toxicological effects

Symptoms	Please see section 4 of this SDS for symptoms.
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Delayed and immediate effects as well as chronic effects from short and long-term exposure

No information available.

Acute Toxicity	No information available.
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12. ECOLOGICAL INFORMATION

Ecotoxicity

No information available.

Persistence/Degradability

No information available.

Bioaccumulation

No information available

Mobility

No information available.

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes

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

If released or spilled

Wear appropriate personal protective equipment. (See Section 8). Eliminate all ignition sources. Prevent additional discharge of material if able to do so safely. Do not touch or walk through spilled material. Avoid runoff into storm sewers and ditches which lead to waterways. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container.

14. TRANSPORT INFORMATION

DOT

Not regulated

IATA

Not regulated

IMDG

Not regulated

15. REGULATORY INFORMATION

US Federal Regulations

TSCA

No components exist in this product.

CERCLA

This product has been reviewed according to the EPA "Hazard Categories" promulgated under Sections 311 and 312 of the Superfund Amendments and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories: None Known

SARA SECTION 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR parts 372: No Sara 313 components exist in this product.

US State Regulations

U.S. State Right-to-Know Regulations

The following material is non-hazardous, but is among the top five components in this product.

Chemical Name	New Jersey	Pennsylvania
1,2-propanediol 57-55-6	X	x

California Proposition 65

This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

16. OTHER INFORMATION

<u>NFPA</u>	Health Hazards Not determined	Flammability Not determined	Instability Not determined	Special Hazards Not determined
<u>HMIS</u>	Health Hazards 0	Flammability 1	Physical Hazards 0	Personal Protection X

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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 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