

Issue Date: 05-Apr-2010

Revision Date: 01-Mar-2016

Version 2

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name United 313 Earth Smart® Cooling Tower Biodispersant

Other means of identification

SDS # UNITED-313

Recommended use of the chemical and restrictions on use

Recommended Use Earth Smart Cooling Tower Biodispersant
Used Advised Against For industrial or institutional use only.

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 Green liquid

Physical State Liquid

Odor Slight Odor

Classification

Signal Word

Warning

Hazard Statements

Harmful if swallowed. Causes mild skin irritation. Causes serious eye irritation.



Precautionary Statements - Prevention

Keep out of reach of children. Keep container tightly closed. Do not get in eyes, on skin or on clothing.

Precautionary Statements - Response

Wash thoroughly after handling. Use personal protective equipment as required.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Dimethylamide of a fatty acid tallow oil (proprietary blend)	Proprietary	15-30
Proprietary aliphatic amide hydrolysates	Proprietary	10-30

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	Flush eyes with a large amount of water for 15 minutes. Seek medical attention immediately if any irritation persists. After first aid, get appropriate in-plant, paramedic or community medical support.
Skin Contact	Wash affected areas thoroughly with soap and water for at least 15 minutes. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. See medical attention if any irritation persists.
Inhalation	Remove to fresh air. If not breathing, give artificial respiration. If breathing difficult, give oxygen. Call a physician if any difficulties persist.
Ingestion	If person can swallow, give 2 glasses of water to drink. DO NOT INDUCE VOMITING! After first aid, seek appropriate in-plant, paramedic, or community medical support. Never give anything by mouth to an unconscious person.

Most important symptoms and effects

Symptoms	May be harmful if swallowed. Causes serious eye irritation. Causes mild skin irritation.
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Indication of any immediate medical attention and special treatment needed

Notes to Physician	Treat symptomatically.
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5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Water fog, dry chemical, carbon dioxide, alcohol foam.

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical

None known other than material can splatter above 100°C/212°F.

Hazardous Combustion Products Unknown but carbon monoxide may be released on burning.

Protective equipment and precautions for firefighters

Do not release runoff from fire control methods to sewers or waterways. Because fire may product toxic thermal decomposition products, wear self-contained breathing apparatus pressure-demand, with full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation.

Methods and material for containment and cleaning up

Methods for Containment and clean-up Prevent further leakage or spillage if safe to do so.

Small spills: Absorb spill with paper towel or similar absorbent; or flush to sewer or ground with large amounts of water. Large spills: Dike far ahead of liquid spill for later disposal. Do not release into sewers or waterways. Absorb spill with vermiculite, oil dry or similar non-reactant absorbent. Solidified product represents no environmental hazard. Accumulate the absorbed materials and dispose of according to federal, state, and local regulations.

Follow applicable OSHA/CERCLA or any other regulations (29 CFR 1910.120) as well as any state or local regulations that may apply.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling Use the recommended safety controls and personal protective equipment as outlined. Fully review all data before handling of the material itself. Avoid contact with skin or eyes. Avoid breathing dust or mist. Keep from contact with clothing and other combustible materials. Observe good personal hygiene and housekeeping practices. Wash thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Storage Conditions Do not store in direct sunlight. Store in a tightly closed container. Store in a cool dry, well ventilated area. Do not store this material near any strong acids, bases, oxidizers, flammables or any other type of reactive material. Do not expose the material to temperature extremes. Do not store product above 77°F. Store materials according to all local, state and federal guidelines that are established for non-regulated chemical products.

Incompatible Materials Strong acids, strong alkalis, and strong oxidizers or any other type of reactive material.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines Not determined.

Appropriate engineering controls

Engineering Controls Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs (Section 2). Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

Individual protection measures, such as personal protective equipment

Eye/Face Protection & Skin/Body Protection Wear protective eyeglasses or chemical safety goggles, per OSHA eye and face protection regulations (29 CFR 1910.133). Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses. At a minimum wear safety glasses with side shields as well as chemically protective gloves and aprons to prevent prolonged or repeated skin contact.

Respiratory Protection

Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear a MSHA/NIOSH-approved respirator. Select respirator based on its suitability to provide adequate worker protection for given working conditions, level of airborne contamination, and presence of sufficient oxygen. For emergency or non-routine operations (cleaning spills, reactor vessel, or storage tanks), wear an SCBA. Warning! Air-purifying respirators do not protect workers in oxygen-deficient atmospheres. If respirators are used, OSHA requires a written respiratory protection program that includes at least: medical certification, training, fit testing, periodic environmental monitoring, maintenance, inspection, cleaning, and convenient, sanitary storage areas.

Safety Stations and Contaminated Equipment

Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area. Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your shoes and clean personal protective equipment.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice. Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

Consistent use of afore-mentioned personal protective equipment is essential in preventing injuries or irritation.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid	Odor	Slight odor
Appearance	Green color liquid		
Color	Green		
Property	Values	Remarks • Method	
pH	5-8		
Melting Point/Freezing Point	Approximately 32°F		
Boiling Point/Boiling Range	212°F +/-		
Flash Point	Not available		
Evaporation Rate	1.00		
Flammability (Solid, Gas)	Non Flammable		
Upper Flammability Limits	Not available		
Lower Flammability Limit	Not available		
Vapor Pressure	Same as water		
Vapor Density	Same as water		
Specific Gravity	1.00 +/-		
Water Solubility	Complete		
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		
VOC Content	None		

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Persistence/Degradability

Not determined.

Bioaccumulation

None.

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. Triple rinse the empty containers with water before disposal to be reconditioned or landfill or garbage.

Contaminated Packaging

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

14. TRANSPORT INFORMATION

Note: Transportation information provided is reference only. Client is urged to consult CFR 49, Parts 100-177, IMDG, IATA, EU, United Nations, TDG and WHMIS TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods of shipping.

DOT

Not regulated.

IATA

Not regulated.

IMDG

Not regulated.

Marine Pollutant

No.

15. REGULATORY INFORMATION

International Inventories

RCRA Hazardous Waste Number: Product blend is not listed (40 CFR 261.33).

RCRA Hazardous Waste Classification: Product blend is not classified.

TSCA: Listed.

US Federal Regulations

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). Product blend is unlisted specific per RCRA, Section 3001; CWA, Section 311 (b) (4); CWA, Sec. 307 (a).

CAA, Section 112 CERLA Reportable Quantity

Not listed.

SARA 313

This product is subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right to Know Act of 1986 and 40 CFR 372 and 40 CFR 355. Not listed.

SARA 302/304 Extremely Hazardous Substance-40 CFR 355

Not listed.

Air Contaminant (20 CFR 1910.1000, Table Z-1, Z-1-A)

Not listed.

US State Regulations

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.

U.S. State Right-to-Know Regulations

This product does not contain any substances regulated under applicable state right-to-know regulations.

16. OTHER INFORMATION

NFPA

Health Hazards

Not determined

Flammability

Not determined

Instability

Not determined

Special Hazards

Not determined

HMIS

Health Hazards

1

Flammability

0

Physical Hazards

0

Personal Protection

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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