

Issue Date: 01-Mar-2016

Revision Date: 15-Aug-2022

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

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 Light amber liquid

Physical State Liquid

Odor Slight Odor

Classification

Acute toxicity, oral	Category 4
Skin corrosion/irritation	Category 2
Eye damage/irritation	Category 2B

Signal Word

Warning

Hazard Statements

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



Precautionary Statements - Prevention

Avoid breathing dust/fume/gas/mist/vapors/spray. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product.

Precautionary Statements - Response

Wash thoroughly after handling. Wear protective gloves/protective/clothing/eye protection/face protection. If swallowed: call a poison center/doctor, if you feel unwell. Rinse mouth. Do not induce vomiting. If inhaled: remove the person to fresh air and keep comfortable for breathing. If in the eyes: rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye and/or skin irritation persists, get medical attention. Take off contaminated clothing and wash it before reuse.

Precautionary Statements – Disposal

Dispose of contents/container according to state and local regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Dimethylamide of a fatty acid tallow oil (proprietary blend)	29873-30-1	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** Rinse cautiously with water for 15 minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists, get medical attention.

- Skin Contact** Remove contaminated clothing. Rinse skin with water/shower for at least 15 minutes. Call a poison center or doctor if irritation develops or persists. Wash contaminated clothing before reuse.

- Inhalation** Remove victim to fresh air and keep comfortable for breathing. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician if any difficulties persist.

- Ingestion** Rinse mouth. Do not induce vomiting. Immediately call a poison center or doctor. If vomiting occurs naturally, have the victim lean forward to reduce the risk of aspiration. Never give anything by mouth to an unconscious person.

Most important symptoms and effects

- Symptoms** The most important known symptoms and effects are described in the labelling (see Section 2) and/or in Section 11.

Indication of any immediate medical attention and special treatment needed

- Notes to Physician** After first aid, get appropriate in-plant, paramedic or community medical support.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Water spray, dry chemical, carbon dioxide, alcohol-resistant 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

Avoid any skin contact. Effects of contact or inhalation may be delayed. Fire may produce irritation, corrosive and/or toxic gases. Runoff from fire control or dilution water may be corrosive and/or toxic and cause pollution. Wear positive pressure self-contained breathing apparatus (SCBA). Wear chemical protective clothing that is specifically recommended by the manufacturer. It may provide little or no thermal protection. Structural firefighters' protective clothing provides limited protection in the fire situations only; it is not effective in spill situations where direct contact with the substance is possible.

Use water spray to cool unopened containers.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

- | | |
|----------------------------------|---|
| Personal Precautions | Wear respiratory protection if necessary. Avoid breathing gas, mist, vapors, or spray. Ensure adequate ventilation. Evacuate personnel to safe areas. For personal protection, see Section 8. |
| Environmental precautions | Do not let the product enter drains. |

Methods and material for containment and cleaning up

- | | |
|---|---|
| Methods for Containment and clean-up | Stop leak if you can do without risk. Sweep up and shovel into suitable containers for disposal. See Section 13 for disposal. |
|---|---|

7. HANDLING AND STORAGE

Precautions for safe handling

- | | |
|--------------------------------|--|
| Advice on Safe Handling | Do not swallow. Avoid breathing mist, vapors, or spray. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. See Section 8 for personal protective equipment. |
|--------------------------------|--|

Conditions for safe storage, including any incompatibilities

- | | |
|----------------------------|--|
| Storage Conditions | Store away from incompatible materials. See Section 10 for information. Keep out of reach of children. |
| Specific end use(s) | Apart from the uses mentioned in Section 1, no other specific uses are stipulated. |

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- | | |
|-----------------------------------|-----------------|
| <u>Exposure Guidelines</u> | Not determined. |
|-----------------------------------|-----------------|

Appropriate engineering controls

- | | |
|--|---|
| Engineering Controls | Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, gas, etc.) below recommended exposure limits. |
| Environmental exposure controls | Do not let the product enter drains. |

Individual protection measures, such as personal protective equipment

- | | |
|---|--|
| Eye/Face Protection & Skin/Body Protection | Tightly fitting safety goggles. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU). Ensure that eyewash stations and/or safety showers are close to the workstation location if working with the concentrated product. Wear protective gloves. Consult manufacturer specifications. Wear protective clothing. Clothing with full-length sleeves and pants should be worn. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. |
|---|--|

Respiratory Protection

Wear risk assessment shows air-purifying respirators are appropriate use a full-face respirator with a multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Do information on thermal hazards or control banding approach.

Ethanamine, 2-(decylthio) CAS:29873-30-1
 PEL: None Established (OSHA)
 TLV®: None Established (ACGIH)

Dimethylamide or a fatty acid Tallow oil (proprietary blend) nonionic surfactant. CAS: Not listed.
 PEL: None Established (OSHA)
 TLV®: None Established (ACGIH)

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid		
Appearance	Light amber color liquid	Odor	Slight odor
Color	Light amber		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
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	Not information available	
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

Contact with incompatible materials. Sources of ignition. Exposure to heat.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

No information available.

Conditions to Avoid

Excessive temperature, contact with any type of reactive chemicals.

Incompatible Materials

Avoid contact with strong acids, strong alkalis, oxidizers, or any other type of reactive material.

Hazardous Decomposition Products

There are no known hazardous decomposition products for this material unless the material is burned in which an undetermined evolution of toxic gases may occur.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

- Eye Contact** Causes serious eye irritation.
- Skin Contact** Causes irritation to the skin.
- Inhalation** May cause respiratory irritation.
- Ingestion** May cause gastrointestinal irritation.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Dimethylamide of a fatty acid tallow oil (proprietary blend)	8000 mg/kg (Rabbit)	-	-
Ethanamine, 2-(decylthio)	1200 mg/kg (Rat)	2000 mg/kg	-

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

- Skin irritation** Symptoms may include localized redness, swelling, and itching.
- Eye irritation** Symptoms may include the cloudy appearance of the cornea, chemical burns, severe pain, tearing, ulcerations, significantly impaired vision
- Respiratory or skin sensitization** No information available.
- Carcinogenicity** This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification. OSHA: no component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
- Mutagenicity** No mutagenic effects are known to be applicable to the formulation components of this product.
- Reproductive toxicity** No information available.
- Aspiration hazard** No information available.
- STOT-repeated/single** No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Not determined.

Persistence/Degradability

Not determined.

Bioaccumulation

None.

Mobility

Not determined.

Other Adverse Effects

Not determined.

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes	The disposal should be in accordance with applicable Federal, State, and local laws and regulations. Local regulations may be more stringent than State or Federal requirements.
Contaminated Packaging	Dispose of as unused product.
Water treatment	Contact your supplier or a licensed contractor for detailed recommendations. Follow applicable federal, state, and local regulations.
Sewage disposal	Do not drain into the sewer.
Other disposal recommendations	Triple rinse the empty containers with water before disposal to be reconditioned or landfill or garbage.

14. TRANSPORT INFORMATION

<u>DOT</u>	Not regulated.
<u>IATA</u>	Not regulated.
<u>IMDG</u>	Not regulated.
Marine Pollutant	No.

15. REGULATORY INFORMATION

TSCA: Listed.

US Federal Regulations

SARA 313

This product does not contain any chemical components with known CAS numbers that exceed the threshold (de minimis) reporting levels established by SARA Title III, Section 3131.

SARA 302/304 Extremely Hazardous Substance-40 CFR 355

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

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. (MA/NJ/PA)

16. OTHER INFORMATION

NFPA	Health Hazards	Flammability	Instability	Special Hazards
	1	0	0	W
HMIS	Health Hazards	Flammability	Physical Hazards	Personal Protection
	1	0	0	C

Issue Date: 01-Mar-2016
Revision Date: 15-Aug-2022
Revision Note: Regulatory revisions

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