

Issue Date: 18-Jul-2016

Revision Date: 22-Apr-2019

Version 3

1. PRODUCT AND COMPANY IDENTIFICATION**Product Identifier****Product Name** United 285 X-EMPT**Other means of identification****SDS #** UNITED-285**Recommended use of the chemical and restrictions on use****Recommended Use** Bio-Based Herbicide.**Uses Advised Against** For industrial and 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** Clear Amber**Physical State** Liquid**Odor** Spicy Clove scent**Classification**

This chemical does not meet the hazardous criteria set forth by the 2012 OSHA Hazard communication Standard (29 CFR 1910.1200). However, the 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.

Signal Word

None.

Precautionary Statements - Prevention

Wear protective gloves and eye protection.

Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. Wash hands before breaks and immediately after handling the product. Keep out of reach of children.

Precautionary Statements - Response

IF IN EYES: Flush with plenty of cool water for several minutes while holding eyelids open and then continue rinsing. If irritation persists, call a physician or poison control center.

IF ON SKIN: Flush with plenty of cool water for several minutes. Take off contaminated clothing. Wash with soap and water. If irritation persists, call a physician or poison control center.

IF INGESTED: Call a physician or poison control center immediately. DO NOT induce vomiting unless told to do so by a physician. If conscious, give several glasses of water. Never give anything by mouth to an unconscious person.

Precautionary Statements - Storage

Store in a cool dry well-ventilated place in a closed container.

Precautionary Statements - Disposal

Dispose of contents/container should be in accordance with applicable regional, national and local laws and regulations.

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	Flush with plenty of cool water for several minutes while holding eyelids open and then continue rinsing. If irritation persists, call a physician or poison control center.
Skin Contact	Flush with plenty of cool water for several minutes. Take off contaminated clothing. Wash with soap and water. If irritation persists, call a physician or poison control center.
Inhalation	Remove to fresh air. If discomfort occurs and persists, call a physician or poison center.
Ingestion	Call a physician or poison control center immediately. DO NOT induce vomiting unless told to do so by a physician. If conscious, give several glasses of water. Never give anything by mouth to an unconscious person.

Most important symptoms and effects

Symptoms	May cause eye irritation. May cause skin irritation. Inhalation is not anticipated under use conditions. May cause irritation. Ingestion not considered a likely route of exposure under normal product use conditions. May cause gastrointestinal tract irritation.
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Indication of any immediate medical attention and special treatment needed

Notes to Physician	No specific treatment. Treat symptomatically.
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5. FIRE-FIGHTING MEASURES**Suitable Extinguishing Media**

Foam. Carbon dioxide (CO₂). Dry chemical.

Unsuitable Extinguishing Media Not determined

Specific Hazards Arising from the Chemical

None known.

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. Cool containers exposed to fire with water stream or mist.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures**

Personal Precautions	Use personal protective equipment as required.
Environmental Precautions	See Section 12 for additional 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	Contain spill, absorb with inert material, and place spilled material in appropriate waste container. Prevent entry into waterways, sewers, basements or confined areas.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling	Handle in accordance with good industrial hygiene and safety practice. Wash face, hands, and any exposed skin thoroughly after handling. Wear protective gloves/protective clothing and eye/face protection.
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Conditions for safe storage, including any incompatibilities

Storage Conditions	Store in a cool, dry, well-ventilated place. Keep this product in a properly labeled, tightly closed container. Store away from incompatible materials.
Incompatible Materials	Strong oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<u>Exposure Guidelines</u>	This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.
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Appropriate engineering controls

Engineering Controls	Provide adequate ventilation and local exhaust usually is adequate.
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Individual protection measures, such as personal protective equipment

Eye/Face Protection	Safety glasses or goggles are recommended.
Skin and Body Protection	Rubber gloves are recommended. Long shirt sleeves recommended.
Respiratory Protection	None required. If TLV is exceeded, use a NIOSH/MSHA approved respirator to prevent overexposure.
General Hygiene Considerations	Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid	Odor	Spicy clove scent
Appearance	Clear Amber liquid	Odor Threshold	Not determined
Color	Clear Amber		
<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>	
pH	9-10		
Melting Point/Freezing Point	Not determined		
Boiling Point/Boiling Range	Not available		
Flash Point	>93 °C/200°F	Tag Closed Cup	
Evaporation Rate	Not available		
Flammability (Solid, Gas)	Liquid- Not applicable		
Upper Flammability Limits	Not available		
Lower Flammability Limit	Not available		
Vapor Pressure	Not determined		

Vapor Density	Not determined
Specific Gravity	1.02
Water Solubility	Water soluble
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.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

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

Conditions to Avoid

None known.

Incompatible Materials

Strong oxidizing agents.

Hazardous Decomposition Products

When strongly heated, as in a fire, this product may produce carbon and sodium may be released. Possibly hydrogen chloride and chorine.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Eye Contact	Avoid contact with eyes. May cause slight eye irritation.
Skin Contact	Avoid contact with skin. May cause irritation.
Inhalation	No known effect. Avoid breathing dust/fume/gas/mist/vapors/spray.
Ingestion	Do not taste or swallow. May be harmful if swallowed.

Component Information

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

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

Not determined.

12. ECOLOGICAL INFORMATION**Ecotoxicity**

Not determined.

Persistence/Degradability

Not determined.

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.

14. TRANSPORT INFORMATION**DOT**

Not regulated.

IATA

Not regulated.

IMDG

Not regulated.

15. REGULATORY INFORMATION**International Inventories**

Not information.

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

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).

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

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

Not available.

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 1	Flammability 0	Physical Hazards 0	Personal Protection B

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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