

1. PRODUCT AND COMPANY IDENTIFICATION**Product identifier****Product Name** United 136 CITRUS DISINFECTANT**Other means of identification****SDS#** UNITED 136**Recommended use of the chemical****And restrictions on use****Recommended use** Disinfectant Deodorant
Uses Advised Against For institutional and industrial use only.**Details of the supplier of the safety data sheet****Company Name**United Laboratories, Inc.
320 37th Avenue
St. Charles, IL 60174
www.unitedlabsinc.com**Emergency telephone number****Emergency Telephone** 800-323-2594 (to reorder)
INFOTRAC 1-800-535-5053 (North America)
1-352-323-3500 (International)**2. HAZARDS IDENTIFICATION****Classification****OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Flammable Aerosols	Category 2
Eye Irritant	Category 2A
Liquified Gas	

Label elements**Emergency Overview****Warning****Hazard statements**

Flammable aerosol. Contain gas under pressure; May explode if heated. Causes serious eye irritation.

This product contains the following percentage of chemicals of unknown toxicity: 0%.



Prevention

Keep away from heat/sparks/open flames/hot surfaces. No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Protect from sunlight. Wash hands thoroughly after handling.

Response

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continuing rinsing. If eye irritation persists: Get medical advice/attention. Wash hands thoroughly after handling.

Storage

Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Store in a well-ventilated place.

Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC)

No information available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight-%	Trade Secret
Ethyl alcohol	64-17-5	40-70	*
Propane/n-Butane	68476-86-8	10-30	*

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

First aid measures

Skin Contact

Wash thoroughly with soap and water. Get medical attention if symptoms persist.

Eye contact

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention.

Inhalation

Move to fresh air. If breathing is difficult, administer oxygen. If not breathing administer artificial respiration or at any sign of loss of consciousness seek immediate medical attention.

Ingestion

If swallowed: Rinse mouth. Do not induce vomiting. Get medical advice or attention.

Most important symptoms and effects, both acute and delayed

Acute: Eye exposure causes transient pain and irritation.
Chronic: None Known

Note to physician

There is no specific treatment regimen. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Carbon dioxide, standard chemical fire extinguisher, and water fog.

Unsuitable extinguishing media None known.

Unusual fire and explosion hazards

Keep away from sparks, open flames, and hot surfaces. No smoking. Do not spray on an open flame or other ignition source.

Protective equipment and precautions for firefighters

Wear NIOSH approve SCBA with a full-face piece operated in a positive pressure demand mode with full body protective clothing when fighting fires. Avoid contact with skin and breathing smoke, fumes, and decomposition products. Cool fire exposed containers with water fog to prevent bursting.

Hazardous combustion products None known.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Refer to Section 8 for proper personal protective equipment.

Environmental precautions

Environmental precautions Do not allow to drain into sewers or storm drains. Dispose of in accordance to local, state and federal regulations.

Methods and material for containment and cleaning up

Methods for containment and cleaning up Small spills: Absorb with non-combustible material like vermiculite, sand or earth and rinse with small amount of soapy water. Do not allow to drain into sewers or storm drains.

Waste disposal Do not puncture or incinerate. If empty: Place in trash or offer for recycling if available. If partly filled: Dispose of in accordance with local, state and federal regulations.

Do not contaminate other materials (including foods/drinks/feeds/water) during transport, use, storage, and disposal.

RCRA Status Product should be fully characterized prior to disposal (40CFR261)

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Pressurized container: Do not pierce or burn, even after use.

Conditions for safe storage, including any incompatibilities

Storage Conditions Pressurized container. Do not pierce or burn. Protect from sunlight. Store in a well-ventilated place. Do not expose to temperatures exceeding 50°C/122°F.

Incompatible materials Strong oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Ethyl Alcohol 64-17-5	1000 ppm	PEL: 1000 ppm PEL: 1000 ppm	-

Propane/n-Butane 68476-86-8	1000 ppm	-	-
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Appropriate engineering controls

Engineering Controls General ventilation and local exhaust should be adequate.

Individual protection measures, such as personal protective equipment

- Eye/face protection** Wear safety glasses.
- Skin and body protection** Wear chemical resistant gloves. Wash hands and clothing in contact with product after use.
- Respiratory protection** Wear NIOSH/MSHA approved respiratory protection if used in confined, poorly ventilated areas.

General Hygiene Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking or smoking.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state Aerosol.
Appearance Light yellow, clear to hazy aerosol
Color Light yellow, clear to hazy
Odor Citrus scent.

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	7.2	
Specific Gravity	0.875 @ 77°F (25°C)	
Viscosity	No Information available.	
Melting point/freezing point	No Information available.	
Flash point	No information available.	
Boiling point/boiling range	>170°F	
Evaporation rate	1	
Flammability Limit – lower	No information available.	
Flammability Limit – upper	No information available.	
Vapor pressure	44 @ 77°F (25°C)	
Vapor density	>1 @ 77°F (25°C)	
Relative density	No information available.	
Water Solubility	100%	
Partition coefficient (n-octanol/water)	No information available.	
Auto-ignition temperature	No information available.	
Decomposition temperature	No information available.	
Viscosity	No information available.	
Density	No information available.	
Flame extension	No information available.	
Flammability	Flammable aerosol	
Volatility including water	100%	
VOC (weight %)	69%	

10. STABILITY AND REACTIVITY

Reactivity
None known.

Chemical stability

Material is stable at normal conditions.

Possibility of Hazardous Reactions

None known.

Conditions to avoid

Avoid temperatures exceeding 122°F may cause bursting.

Incompatible materials

Strong oxidizing agents.

Hazardous Decomposition Products

Oxides of carbon.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation	Acute exposure may cause nausea, vomiting, coughing and pulmonary irritation.
Eye contact	Cause severe irritation, redness, tearing.
Skin Contact	Causes irritation with prolonged contact.
Ingestion	Causes gastrointestinal irritation, nausea and vomiting.
Symptoms related to the physical, chemical and toxicological characteristics	Pre-existing disorders of the skin, respiratory system, and eyes will be aggravated by over exposure.

Acute toxicity

Chemical Name	Dermal LD ₅₀	Oral LD ₅₀	Inhalation LC ₅₀
Ethyl Alcohol 64-17-5	-	3450 mg/kg (Mouse) 6300 mg/kg (Rabbit)	39 gr/m ³ 4hr (Mouse) 20000 ppm (Rat) 10 hr.

*Estimates for product may be based on additional component data not shown.

Skin/Eye irritation	Causes eye irritation. Causes irritation with prolonged contact.
Sensitization	No information available.
Germ cell mutagenicity	No information available to indicate product or any components present a greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity	This product is not considered to be a carcinogen by IARC, ACGIH, NTP or OSHA.
Reproductive toxicity	No information available.
Acute Health Hazard	Eye exposure causes transient pain and irritation.
Chronic Health Hazard	None known.

12. ECOLOGICAL INFORMATION

Persistence and degradability

Component or components of this product are not biodegradable.

Bioaccumulation

This product is not expected to bioaccumulate.

Soil Mobility

This product is mobile in soil.

Other adverse effects

No other adverse environmental effects known (e.g., ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal Considerations

Disposal should be in accordance with applicable regional, national and local laws and regulations. Contents under pressure. Do not puncture or incinerate. If empty: Place in trash or offer for recycling if available. If partially filled: Call your local solid waste agency for disposal instructions.

RCRA Status

Product should be fully characterized prior to disposal (40CFR261).

14. TRANSPORT INFORMATION

DOT

UN/ID No.	UN1950
Proper shipping name	Aerosols, Limited Quantity
Transport hazard class(es)	
Class	2.1
Packaging group	No information available

IATA

UN/ID No.	UN1950
UN proper shipping name	Aerosols, Limited Quantity
Transport hazard class(es)	
Class	2.1

IMDG

UN/ID No.	UN1950
Proper shipping name	Aerosols, Limited Quantity
Transport hazard class(es)	
Class	2.1

Environmental Class
Marine Pollutant

No information available

15. REGULATORY INFORMATION

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory - Listed

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372. Ethyl Alcohol (64-17-5), acute, chronic, flammable.

SARA 311/312 Hazard Categories

Acute health hazard	Yes
Chronic Health Hazard	Yes
Fire hazard	Yes
Sudden release of pressure hazard	No
Reactive Hazard	No

SARA 311/312 Hazard Categories: Ethyl Alcohol (64-17-5), Acute Health, Chronic Health, Fire.



Hazard GHS Symbol Flammable aerosol. Contains gas under pressure. Causes serious eye irritation.

CWA (Clean Water Act)
None.

CERCLA Hazardous Substance List (40 CFR 302.4)
Fire Hazard.

US State Regulations

California Proposition 65
WARNING: This product contains a chemical known to the State of California to cause cancer: 2-Phenylphenol.

International Regulations
This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label: WARNING: Causes substantial but temporary eye injury. Harmful if absorbed through skin. Do not get in eyes or on skin or clothing. Wear long-sleeved shirt and long pants, protective eyewear (safety glasses), shoes and socks, and chemical resistant gloves (such as or made out of any water proof material). Wash hands thoroughly with soap and water before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing and wash clothing. Flammable. Contents under pressure. Keep away from heat, sparks, pilot lights, and flames. Do not puncture or incinerate container. Exposure to temperatures above 130°F (54°C) may cause bursting. EPA Reg. No. 44446-67

16. OTHER INFORMATION

HMIS	Health hazards 1	Flammability 3	Physical hazards 1	Personal protection A
Issue Date	13-Jul-2015			
Revision Date	05-Sep-2018			
Revision Note	Revised			

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