Safety Data Sheet

Issue Date 11-Apr-2015 **Revision Date** 13-July-2015 **Version** 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product identifier
Product Name United 136 LEMON 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
www.unitedlabsinc.ca

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 1
Serious eye damage/eye irritation	Category 2A
Acute Hazard - hazardous to aquatic environment	Category 3
Long-Term Hazard – hazardous to aquatic environment	Category 3

Label elements

Emergency Overview

Danger

Hazard statements

Extremely flammable aerosol. Causes serious eye irritation.

Appearance Wet misty spray **Physical state** Aerosol **Odor** Lemon scent

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. Do not breathe gas. Wear protective gloves. Wear protective eye/face protection.

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.

Storage
Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

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

Environmental hazards
Hazardous to aquatic life acutely and long-term.

Hazard(s) not otherwise classified (HNOC)
No information available.

Supplemental information
Hazard statement
Toxic to aquatic life. Toxic to aquatic life with long lasting effects. Avoid release to environment. Collect spillage.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight-%	Trade Secret
Ethyl alcohol	64-17-5	40-60	*
Butane	106-97-8	10-20	*
Propane	74-98-6	2.5-10	*
0-Phenylphenol	90-43-7	0.1-1	*
Sodium Nitrite	7632-00-0	0.1-1	*
Other components below reportable levels	-	20-40	*

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

4. FIRST AID MEASURES

First aid measures

Skin Contact Wash off with soap and water. Get medical attention if symptoms persist.

Eye contact Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical

Inhalation If symptoms develop move victim to fresh air. Get medical attention if symptoms persist.

Ingestion In the unlikely event of swallowing contact a physician or poison control center.

Most important symptoms and effects, both acute and delayed

Irritation of eyes and mucous membranes.

Indication of any immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media
Alcohol resistant foam. Powder. Water. Carbon dioxide (CO2).

Unsuitable extinguishing media None known.

Specific hazards arising from the chemical
Contents under pressure. Pressurized container may explode when exposed to heat or flame.

Protective equipment and precautions for firefighters
Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves rubber boots, and in enclosed space, SCBA.

Specific Methods
Use standard firefighting procedures and consider the hazards of other involved materials. Move container from fire area if it can be done without risk. Use water spray to cool unopened containers. Containers should be cooled in water to prevent vapor pressure build up. Cool containers exposed to flames with water until well after the fire is out. In the event of fire and/or explosion do not breathe fumes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised in significant spillages cannot be contained. For personal protection, see Section 8 of this SDS.

Environmental precautions

Environmental precautions Avoid release to environment. Contact local authorities in case of spillage to drain / aquatic environment. Prevent leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so. Stop leak if you can do so without risk. Move the container to a safe and open area if the leak is irreparable. Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep combustibles (paper, wood, oil, etc.) away from spilled material. Prevent entry into drains.

Methods for cleaning up Move the container to a safe and open area if the leak is irreparable. Isolate area until gas has dispersed. Collect spillage. Following product recovery, flush area with water. For waste disposal, see Section 13 of the SDS.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Pressurized container: Do not pierce or burn, even after use. Do not smoke while using or until sprayed surface is thoroughly dry. Keep away from heat, sparks, flame and other sources of ignition. Do not spray on naked flame or any other incandescent material. Do not cut, weld, solder, drill, grind or expose containers to heat, flame, sparks. Avoid contact with skin or eyes. Use only in a well-ventilated area. Wash hands thoroughly after handling. Do not empty into drains.

Conditions for safe storage, including any incompatibilities

Storage Conditions Pressurized container. Do not puncture, incinerate or crush. Do not handle or store near flame, heat and sources of ignition. Avoid exposure to direct sunlight, exceeding 50°C/122°F. This material can accumulate static charge which may cause spark and become an ignition source. Store in well-ventilated area.

Incompatible materials Store away from incompatible materials (see Section 10 of the SDS). Keep in a cool place is recommended. Level 2 Aerosol.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Ethyl Alcohol 64-17-5	STEL: 1000 ppm	PEL: 1900 mg/m^3 PEL: 1000 ppm	TWA: 1900 mg/m^3 TWA: 1000 ppm
Butane 106-97-8	-	-	TWA: 1900 mg/m^3 TWA: 800 ppm
Propane 74-98-6	-	PEL: 1800 mg/m^3 PEL: 1000 ppm	TWA: 1800 mg/m^3 TWA: 1000 ppm

NIOSH IDLH Immediately Dangerous to Life or Health

Biological limited values
No biological exposure limits noted for these ingredient(s).

Appropriate engineering controls

Engineering Controls Provide an eyewash station.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

Skin and body protection Wear protective gloves and wear appropriate chemical resistant clothing.

Respiratory protection If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an air-supplied respirator.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

General Hygiene When using do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoothing. Regular cleaning of equipment, work area and clothing is recommended, to remove contaminants.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Aerosol.
Appearance	Wet misty spray.
Color	Clear misty.
Odor	Lemon scent.

Property	Values	Remarks • Method
pH	No Information available.	
Specific Gravity	0.79 estimated	
Viscosity	No Information available.	
Melting point/freezing point	No Information available.	
Flash point	-156.00°F (-104.44°C) Propellant estimated	
Boiling point/boiling range	134.6°F/57.2°C estimated.	
Evaporation rate	No information available.	
Flammability Limit – lower	No information available.	
Flammability Limit – upper	No information available.	
Vapor pressure	75-85 psig@70°F estimated.	
Vapor density	No information available.	
Relative density	No information available.	
Water Solubility	Slightly.	
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 class	No information available.	
Heat of combustion	No information available.	
Heat of combustion (NFPA 30B)	No information available.	
Percent volatile	No information available.	
VOC (weight %)	<75%	

10. STABILITY AND REACTIVITY

Reactivity
This product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability
Material is stable at normal conditions.

Possibility of Hazardous Reactions
Hazardous polymerization does not occur.

Conditions to avoid
Avoid temperatures exceeding the flash point.

Incompatible materials
None known.

Hazardous Decomposition Products
No hazardous decomposition products are known.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation	No adverse effects due to inhalation are expected.
Eye contact	Cause serious eye irritation.
Skin Contact	None known.
Ingestion	Expected to be a low ingestion hazard.
Symptoms related to the physical, chemical and toxicological characteristics	Direct contact with eyes may cause temporary irritation.

Information on toxicological effects

Acute toxicity

Chemical Name	Dermal LD_{50}	Oral LD_{50}	Inhalation LC_{50}/Other*
Butane 106-97-8	-	-	658 mg/l, 4 hours (Rat)
Ethyl Alcohol 64-17-5	-	6.2 g/kg (Rat)	20000 mg/l, 10 hours (Rat) 1440 mg/kg* (Rat)
0-Phenylphenol 90-43-7	500 mg/kg (Cat)	500 mg/kg (Cat)	50 mg/kg* (Mouse)
Sodium Nitrite 7632-00-0	-	175 mg/kg (Mouse)	5.5 mg/l, 4 hours (Rat) 65 mg/kg* (Rat)
Propane 74-98-6	-	-	>1442.847 mg/l 15 minutes 658 mg/l/4 hours (Rat)

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

Skin/Eye irritation	Direct skin contact and direct contact to eyes, may cause temporary to serious irritation.
Sensitization	This product is not expected to cause skin sensitization.
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. **IARC Monographs, Overall Evaluation of Carcinogenicity** – o-Phenylphenol (90-43-7) 3 Not classifiable as to carcinogenicity of humans.
Reproductive toxicity	No information available.
STOT - single exposure	Not classified.
STOT - repeated exposure	Not classified.
Aspiration hazard	Not likely, due to the form of the product.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Toxic to aquatic life with long lasting effects. Accumulation in aquatic organisms is expected.

Persistence and degradability

No Information available on the degradability of this product.

Bioaccumulation
No Information available.

Chemical Name	Partition coefficient n-octanol / water (log Kow)
Butane 106-97-8	2.89
Ethyl Alcohol 64-17-5	-0.31
0-Phenyphenol 90-43-7	3.09
Propane 74-98-6	2.36

Other adverse effects No other adverse environmental effects (e.g., ozone depletion, photochemical ozone creation potential, endocrine disruption, global warning 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. Do not contaminate ponds, waterways or ditches with chemical or used container. Do not allow to drain into water or sewer supplies. Collect and dispose in sealed containers at licensed waste disposal site. Dispose in accordance with all applicable regulations.

Hazardous waste code The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Waste from residues/unused products Disposal should be in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (See disposal instructions).

Contaminated packaging Since emptied containers may retain produce residue, follow label warnings even after container is emptied.

14. TRANSPORT INFORMATION

This product meets the exception requirements of Section 173.306 as a limited quantity and may be shipped as a limited quantity. Until 12/31/2020, the “Consumer Commodity-ORM-D” marking may still be used in place of the new limited quantity diamond mark for packages of UN 1950 Aerosols. Limited quantities require the limited quantity diamond mark on cartons after 12/31/2020 and may be used now in place of the “Consumer Commodity ORM-D” marking and both may be displayed concurrently.

DOT

UN/ID No.	UN1950
Proper shipping name	Aerosols, flammable.
Transport hazard class(es)	
Class	2.1
Special provisions	N82
Packaging exceptions	306
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

IATA

UN/ID No.	UN1950
UN proper shipping name	Aerosols, flammable.
Transport hazard class(es)	
Class	2.1
Label(s)	2.1
Environmental hazards	No.
ERG Code	10L
Packaging exceptions	Limited Quantity
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

IMDG

UN/ID No.	UN1950
Proper shipping name	Aerosols, flammable
Transport hazard class(es)	
Class	2.1
Label(s)	None.
Environmental Class	No.
Marine Pollutant	
EmS	F-D, S-U
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

15. REGULATORY INFORMATION

International Inventories

Australia, Canada, China, Europe, Japan,
United States and Puerto Rico - *Yes
*Yes indicates that all components of this product comply with the inventory requirements administered by the governing country(s).

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory - Not Regulated
DSL/NDSL - Canadian Domestic Substances List – Yes Non-Domestic Substances List - No

US Federal Regulations

SARA 304 Emergency release notification
Not regulated.

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.
Not regulated.

SARA 311/312 Hazard Categories

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

SARA 302 Extremely hazardous substance and SARA 311/312-Hazardous chemical-
No.

CAA (Clean Air Act) Section 112 Hazardous Air Pollutants (HAPs) List
Not regulated.

CAA (Clean Air Act) Section 112(r) Accidental Release Prevention (40 CFR 68.130)
Butane (106-97-8) and Propane (74-98-6)

Safe Drinking Water (SDWA)
Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)
Sodium Nitrite (7632-00-0) Listed.

DEA (Drug Enforcement Administration. List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and chemical code number. Not listed.

Food and Drug Administration (FDA). Not regulated.

US State Regulations

California Proposition 65
WARNING: This product contains a chemical known to the State of California to cause birth defects and other reproductive harm.

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Butane 106-97-8	X	X	X
o-Phenylphenol 90-43-7	X	X	X
Propane 74-98-6	X	X	X
Sodium Nitrite 7632-00-0	X	X	X

16. OTHER INFORMATION

HMIS **Health hazards** *1 **Flammability** 3 **Physical hazards** 0 **Personal protection** n&p

Issue Date 11-Apr-2015
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Revision Note
No Information available

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