

Issue Date 20-May-2015

Revision Date 30-Oct-2020

Version 2

1. PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Product Name United 166 POWER UP

Other means of identification

SDS# UNITED 166

Recommended use of the chemical

And restrictions on use

Recommended use Foaming, No Rinse Chiller Coil Cleaner.

Uses Advised Against For industrial and institutional 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 Aerosol	Category 2
Eye Irritation	Category 2A
Liquefied Gas	

Label elements

Emergency Overview

Warning

Hazard statements

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

This product contains 0% of chemicals of unknown toxicity.



Appearance Clear colorless aerosol

Physical state Liquid Aerosol

Odor Citrus scent

Precautionary Statements

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. Do not expose to temperatures exceeding 50°C/122°F. Store in a well-ventilated place. Wash thoroughly after handling. 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 attention.

Storage

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

Disposal

Dispose of contents/container in accordance with local/state and federal regulations.

Hazard(s) not otherwise classified (HNOC)

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight-%	Trade Secret
Butoxyethanol	111-76-2	1 - 10	*
n-Butane	106-97-8	1 - 5	*
Isopropanol	67-63-0	1 - 5	*
Propane	74-98-6	1 - 3	*
EDTA	60-00-4	0.5 - 1.5	*
Potassium Hydroxide	1310-58-3	0.5 - 1.5	*
4-Nonylphenol branched, ethoxylated	12087-87-0	0.1 - 1	*

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

4. FIRST AID MEASURES

First aid measures

Eye Contact

Remove contact lenses. Flush with water for at least 15 minutes. See a physician if irritation persists.

Skin Contact

Immediately wash with soap and water for 15 minutes. Remove contaminated clothing and shoes immediately. Seek attention if irritation develops.

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

Rinse mouth with water. Do not induce vomiting unless directed by medical authority. Seek medical attention if irritation persists.

Most important symptoms and effects, both acute and delayed

Acute Health Hazards; Eyes: redness, tearing and blurred vision. No known Chronic Health Hazards.

Indication of any immediate medical attention and special treatment needed

There is no specific 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

Use appropriate media for surrounding fire.

Unsuitable extinguishing media Not applicable.

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

Wear NIOSH approved Self-Contained Breathing Apparatus with a full face piece operated in a positive pressure demand mode with full body protective clothing when fighting fires.

Specific methods

Keep away from heat/sparks/open flames/hot surfaces. No smoking.

Hazardous Combustion Products

Oxides of carbon.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Keep unnecessary personnel away. For personal protective equipment, see Section 8 of the SDS.

Methods and material for containment and cleaning up

Methods for containment and cleaning up Refer to attached SDS and/or instructions for use.

Spill: Use non-combustible material like vermiculite, sand or earth on spill, sweep to clean. Dispose of in accordance with local, state and federal laws. Small releases may be wiped up with wiping material

Waste Disposal Dispose in accordance with federal, local, and state regulations. Do not flame cut, braze, or weld. Empty container very hazardous!

RCRA Status Waste likely considered non-hazardous under RCRA, however, product should be fully characterized prior to disposal (40 CFR 261).

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Do not handle until all safety precautions have been read and understood.

Protect from sunlight. Pressurized container: Do not pierce or burn, even after use.

Conditions for safe storage, including any incompatibilities

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

Incompatible materials Strong acids.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Butoxyethanol 111-76-2	20 ppm	50 ppm	-
n-Butane 106-97-8	1000 ppm	1000 ppm	-
Isopropanol 67-63-0	400 ppm	500 ppm	-
Propane 74-98-6	1000 ppm	1000 ppm	-
EDTA 60-00-4	Not established	Not established	-
Potassium Hydroxide 1310-58-3	2 mg/m ³	2 mg/m ³	-
4-Nonylphenol branched, ethoxylated 12087-87-0	Not established	Not established	-

Appropriate engineering controls

Engineering Controls Good ventilation should be used. Provide sufficient mechanical ventilation (general and/or local exhaust) to maintain exposure below the recommended exposure limits.

Individual protection measures, such as personal protective equipment

- Eye/face protection** Wear safety glasses.
- Skin and body protection** None needed. Wash hands and clothing in contact with product after use.
- Respiratory protection** Not required with adequate ventilation.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state Liquid aerosol
Appearance Clear colorless aerosol
Color Clear colorless
Odor Citrus scent
Odor threshold No Information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	11.3-11.7	
Specific Gravity	No information available	
Flash point	Not determined	
Melting point/freezing point	< 32°F (0° C)	
Flash point	Not determined	
Boiling point / boiling range	Not determined	
Evaporation rate	<0.8 (Slow)	
Flammability (solid, gas)	Flammable aerosol	
Flammability Limits in Air	No information available	
Upper flammability limit:	No information available	
Lower flammability limit:	No information available	

Vapor pressure	Not determined
Vapor density	Not determined
Relative density	0.99 – 1.10 @ 77°F (25°C)
Water solubility	100% water
Partition coefficient	Not determined
Autoignition temperature	Not determined
Decomposition temperature	Not determined
Density	No information available
VOC content	< 15 %

10. STABILITY AND REACTIVITY

Reactivity

Chemically active metals and acids.

Chemical stability

Material is stable under normal conditions.

Possibility of Hazardous Reactions

None known.

Conditions to avoid & Incompatible materials

Temperatures greater than 122°F/50°C may cause bursting. Avoid strong acids.

Hazardous Decomposition Products

Oxides of carbon.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation	Causes dizziness, headaches upon long term exposure.
Eye contact	Causes eye irritation, may cause mild burns if left untreated.
Skin Contact	May cause irritation, dermatitis with prolonged exposure.
Ingestion	Causes gastrointestinal irritation, headaches, nausea, diarrhea, abdominal cramps.

Information on toxicological effects Not established.

Medical condition aggravated:	Asthma, bronchitis, emphysema and other lung diseases and chronic nose, sinus or throat conditions. Skin irritation may be aggravated in individuals with existing skin disorders.
Acute Health Hazards:	Eyes – redness, tearing, blurred vision.
Chronic Health Hazards:	None known.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization	None known.
Germ cell mutagenicity	No information available.
Carcinogenicity	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. Not expected to be hazardous by WHMIS criteria.
Reproductive toxicity	No information available.
STOT – single exposure	No information available.
STOT – repeated exposure	No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Butoxyethanol (111-76-2) Toxic to aquatic life only in high concentrations, lethal concentrations not available.

Persistence and degradability

This product is biodegradable.

Bioaccumulation

This product is not expected to bioaccumulate.

Mobility in soil

This product is mobile in soil.

Other adverse effects

None known.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal considerations Dispose of contents/container in accordance with federal, state and local regulations. Do not flame cut, braze, or weld. Empty container very hazardous.

RCRA Status Waste likely considered non-hazardous under RCRA; however, product should be fully characterized prior to disposal (40 CFR 261).

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 12/31/20 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
UN proper shipping name	Aerosols, Ltd. Qty.
Transport hazard class(es)	
Class	2.1
Label(s)	2.1
Packing group	Not applicable.
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

IATA

UN Number	UN1950
UN proper shipping name	Aerosols, flammable
Transport hazard class(es)	
Class	2.1
Label(s)	2.1
Packing group	
Environmental hazards	No

IMDG

UN/ID No. UN1950
 UN Proper shipping name Aerosols, Ltd. Qty.
 Transport hazard class(es)
 Class 2.1
 Label(s) 2.1

Environmental Hazard
 Marine Pollutant No

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.
 Packaging Exceptions Ltd. Qty.

15. REGULATORY INFORMATION

International Regulations All components are listed or exempted.

TSCA Complies – All chemicals are listed or exempt.

Legend:

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

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). Reportable ingredients - None

SARA 311/312 Hazard Categories

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

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). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

SARA 304 Emergency release notification
 No information available.

SARA 302 Extremely hazardous substance
 No information available.

US State Regulations

California Proposition 65

This product is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. This product does not contain any chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

16. OTHER INFORMATION

<u>NFPA</u>	Health hazards 1	Flammability 2	Instability 1	Physical and Chemical Properties None
<u>HMIS</u>	Health hazards 1	Flammability 2	Physical hazards 1	Personal protection A

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Revision Note	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 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