

1. PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Product Name United 667 MIGHTY DEFENSE

Other means of identification

SDS# UNITED - 667

Recommended use of the chemical and restrictions on use

Recommended use Disinfecting wipes.
Uses Advised Against For industrial or 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

Company Phone Number 800-323-2594 (to reorder)
Emergency Telephone INFOTRAC 1-800-535-5053
1-352-323-3500 (International)

2. HAZARDS IDENTIFICATION

Classification

Flammable liquid	Category 2
Acute toxicity, inhalation	Category 4
Serious eye damage/eye irritation	Category 2A
Specific target organ toxicity, single exposure	Category 3 respiratory tract irritation
Specific target organ toxicity, single exposure	Category 3 narcotic effects

Environmental hazards

Not classified.



Signal Word

Danger

Hazard statement

Highly flammable liquid and vapor. Causes serious eye irritation. Harmful if inhaled. May cause respiratory irritation. May cause drowsiness or dizziness.

Precautionary Statements

Prevention

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground and bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use non-sparking tools. Take action to prevent static discharges.

Response

In case of fire: Use appropriate media to extinguish. 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/attention. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell.

Storage

Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.

Disposal

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

Supplemental information

Although the product as a whole is in solid format, the product does not meet the OSHA HCS definition of a flammable solid as per Appendix B to 1910.1200 - Physical Hazard Criteria, section B.7.1 and B. 7.2 or Canada's Hazardous Products Regulations Subpart 7. US: This is a registered EPA product. The product labeling is in compliance with EPA regulations and guidelines. This chemical is a disinfectant product registered by the United States 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 (SDS), and for workplace labels of non-disinfectant chemicals. The hazard information required on the disinfectant label is reproduced below. The disinfectant label also includes other important information, including directions for use.

PRECAUTIONARY STATEMENTS:

Hazards to humans and Domestic animals. CAUTION: Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating and drinking, chewing gum, using tobacco or using toilet. Flammable. Keep away from heat or open flame.

3. COMPOSITION/INFORMATION ON INGREDIENTS		
Chemical Name	CAS No	Weight-%
Ethanol	64-17-5	72.5
Didecyl dimethyl ammonium chloride	7173-51-5	0.33

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. FIRST AID MEASURES

First aid measures

- Skin Contact** Take off immediately all contaminated clothing. Rinse skin with water.
- Eye contact** Rinse immediately with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: get medical advice/attention.
- Inhalation** Remove person to fresh air and keep comfortable for breathing. Call a poison center or doctor if you feel unwell.
- Ingestion** Rinse mouth. Do not induce vomiting. Get medical attention if symptoms occur. Never give anything by mouth of victim is unconscious or is convulsing. Obtain medical attention.

Most important symptoms and effects, both acute and delayed

Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Vapors have a narcotic effect and may cause headache, fatigue, dizziness and nausea.

Indication of any immediate medical attention and special treatment needed**Note to physicians**

Provide general supportive measures and treat symptomatically. In case of shortness of breath, give oxygen. Symptoms may be delayed. Have the product container or label with you when calling a poison control center, doctor, or going for treatment. For emergency information concerning this product, call the National Pesticides Information Center [NPIC] at 1-800-858-7378 seven days a week, 6:30 am to 4:30 pm Pacific Time [NPIC Web site: www.npic.orst.edu].

General information

Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. Take off all contaminated clothing immediately. If you feel unwell, seek medical advice (show the label where possible). Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before reuse. Keep away from sources of ignition. No smoking. Avoid contact with eyes and skin. Wear safety glasses with side shields. Protective gloves recommended based on infection control best practices. Keep out of reach of children.

5. FIRE-FIGHTING MEASURES**Suitable extinguishing media**

Dry chemical, CO₂, water spray or regular foam.

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical

Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. This product is a poor conductor of electricity and can become electrostatically charged. If sufficient charge is accumulated, ignition of flammable mixtures can occur. To reduce potential for static discharge, use proper bonding and grounding procedures. This liquid may accumulate static electricity when filling properly grounded containers. Static electricity accumulation may be significantly increased by the presence of small quantities of water or other contaminants. Material will float and may ignite on surface of water. During fire, gases hazardous to health may be formed. Firefighters should wear a self-contained breathing apparatus.

Hazardous Combustion Products

May include and are not limited to: Oxides of carbon.

Protective equipment and precautions for firefighters

Firefighters should wear full protective clothing including self-contained breathing apparatus. In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk. Use standard firefighting procedures and consider the hazards of other involved materials.

General fire hazards

Solid containing flammable liquid

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

Immediately evacuate personnel to safe areas. Keep unnecessary personnel away. Keep out of low areas. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Remove all possible sources of ignition in the surrounding area. Wear appropriate protective equipment and clothing during clean-up. Fully encapsulating, vapor protective clothing should be worn for spills and leaks with no fire. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Avoid inhalation of vapors or mists. Avoid inhalation of vapors. Ventilate closed spaces before entering them. Use appropriate containment to avoid environmental contamination. Transfer by mechanical means such as vacuum truck to a salvage tank or other suitable container for recovery or safe disposal. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Environmental precautions

Environmental precautions Avoid discharge into drains, water courses or onto the ground. Use appropriate containment to avoid environmental contamination.

Methods and material for containment and cleaning up

Methods for containment and for cleaning up Pick up and discard. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Take precautionary measures against static discharge. Use only non-sparking tools. Keep combustibles (wood, paper, oil, etc.) away from spilled material.

Large Spills: Stop leak if you can do so without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Absorb in vermiculite, dry sand or earth and place into containers. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water. **Small Spills:** Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Vapors may form explosive mixtures with air. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Do not smoke. Minimize fire risks from flammable and combustible materials (including combustible dust and static accumulating liquids) or dangerous reactions with incompatible materials. Handling operations that can promote accumulation of static charges include but are not limited to: mixing, filtering, pumping at high flow rates, splash filling, creating mists or sprays, tank and container filling, tank cleaning, sampling, gauging, switch loading, vacuum truck operations. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Use only with adequate ventilation. Avoid breathing vapor. Avoid contact with eyes, skin and clothing. Avoid prolonged exposure. Use only outdoors or in a well-ventilated area. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Wash thoroughly after handling. Keep container tightly closed. When using do not eat or drink.

Conditions for safe storage, including any incompatibilities

Storage Conditions Store locked up. Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Avoid spark promoters. Eliminate sources of ignition. Ground/bond container and equipment. These alone may be insufficient to remove static electricity. Store in a closed container away from incompatible materials. Store in a cool, dry place out of direct sunlight. Store in a well-ventilated place. Keep out of reach of children. (See section 10 of SDS).

Pesticide Storage: Always store this product and all pesticides in the original container. If a leaky container must be contained within another, mark the outer container to identify the contents. Protect from extreme heat and cold.

Incompatible materials Strong oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines Personal protective equipment: Use appropriate personal protective equipment when risk assessment indicates this is necessary.

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Ethanol 64-17-5	STEL: 1000 ppm	PEL: 1900 mg/m ³ PEL: 1000 ppm	TWA: 1900 mg/m ³ TWA: 1000 ppm

Biological limit values	No biological exposure limits notes for the ingredient(s).
Appropriate engineering controls	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.
Individual protection measures	
Eye/face protection	Wear safety glasses with side shields.
Skin/hand protection	Product is not irritating to skin based on test data. Protective gloves recommended based on infection control best practices.
Other respiratory protection	Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.
Thermal hazards	Not applicable.
General Hygiene	When using do not smoke. Always observe good personal hygiene, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Clear liquid saturated on wipe
Appearance	Premoistened wipe
Color	Colorless
Odor	Alcohol

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	3.7 @ 77°F (liquid)	
Specific Gravity	No information available	
Viscosity	3.23 cSt @68°F (liquid)	
Melting point/freezing point	No Information available	
Flash point	65.3°F (18.5°C)	Tag/Closed Cup (Liquid)
Boiling point / boiling range	No information available	
Evaporation rate	No Information available	
Flammability (solid, gas)	No information available	
Flammability Limits in Air	No information available	
Upper flammability limit:	No Information available	
Lower flammability limit:	No Information available	
Vapor pressure	No Information available	
Vapor density	No information available	
Water solubility	No information available	
Partition coefficient	No Information available	
Autoignition temperature	No Information available	
Decomposition temperature	No Information available	
Density	0.86 (liquid)	

10. STABILITY AND REACTIVITY

Reactivity
This product may react with strong oxidizing agents.

Chemical stability
Stable under recommended storage conditions.

Possibility of Hazardous Reactions

No dangerous reaction known under conditions of normal use. Refer to Section 10 of this SDS.

Conditions to avoid

Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Do not mix with other chemicals.

Incompatible materials

Strong oxidizing agents.

Hazardous Decomposition Products

May include and are not limited to: Oxides of carbon.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Eye, inhalation, ingestion and skin contact.

Product Information

Inhalation	Vapors have a narcotic effect and may cause headache, fatigue, dizziness and nausea. Harmful if inhaled. Prolonged inhalation may be harmful.
Eye contact	Moderate eye irritation.
Skin Contact	No adverse effects due to skin contact are expected. Non-irritating based on test data.
Ingestion	May cause stomach distress, nausea or vomiting.

Information on toxicological effects

Symptoms – Acute toxicity Harmful if inhaled. Narcotic effects. May cause respiratory irritation.

Symptoms related to physical Chemical and toxicological characteristics Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Didecyl dimethyl ammonium chloride	268mg/kg (Mouse) 329 mg/kg (Rat)	500 mg/kg (Rat)	-
Ethanol	1187-2769 mg/kg ECHA 12400 mg/kg ECHA (Rat)	>15800 mg/kg, SIDS initial assessment report (Rabbit)	>115.9 mg/L, 4 hours ECHA 31623 ppm, 4 hours HMIRA (Rat)

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

Skin corrosion/irritation	Prolonged skin contact may cause temporary irritation.
Exposure minutes	No information available
Erythema value	No Information available.
Oedema value	No information available.
Respiratory or skin Sensitization	This product is not expected to cause skin sensitization
Serious eye damage/eye irritation	Causes serious eye irritation.
Corneal opacity value	No information available
Iris lesion value	No information available
Conjunctival reddening value	No information available
Recover days	No information available

Mutagenicity	No information available
Carcinogenicity	IARC Monographs. Overall Evaluation of Carcinogenicity: Ethanol (CAS 64-17-5) Volume 44, Volume 96, Volume 100E Volume 96, Volume 100E US - California Proposition 65 - CRT: Listed date/Carcinogenic substance Ethanol (CAS 64-17-5) when ingested. Ethanol is not considered to be a Prop 65 component for this product. This product is not an alcoholic beverage for consumption. US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) Not listed.
Reproductive toxicity	No Information available.
Teratogenicity	Non-hazardous by WHMIS/OSHA criteria.
STOT - single exposure	Respiratory tract irritation. Narcotic effects
STOT - repeated exposure	No Information available.
Aspiration hazard	No Information available.
Chronic effects	Prolonged inhalation may be harmful

12. ECOLOGICAL INFORMATION

<u>Ecotoxicity</u>	No information available.
<u>Persistence and degradability</u>	No information available.
<u>Bioaccumulation</u>	No information available.
<u>Other adverse effects</u>	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. DISPOSAL CONSIDERATIONS

<u>Waste treatment methods</u>	
Disposal of wastes	Do not contaminate water, food or feed by storage or disposal. PESTICIDE DISPOSAL: Waste resulting from the use of this product must be disposed of on site or at an approved waste disposal facility. CONTAINER DISPOSAL: Non-refillable container. Do not reuse or refill this container. Offer for recycling if available, or discard empty container in trash. CONTAINER DISPOSAL: Refillable container. Refill plastic canister with this brand of pesticide product only. Do not reuse this container for any other purpose. Offer plastic container for recycling if available, or discard in trash. Collect and reclaim or dispose in sealed containers at licensed waste disposal site. This material and its container must be disposed of as hazardous waste. Incinerate the material under controlled conditions in an approved incinerator. Do not incinerate sealed containers. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. If discarded, this product is considered a RCRA ignitable waste, D001. Dispose of contents/container in accordance with local/regional/national/international regulations.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	D001: Waste Flammable material with a flash point <140 F The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues/unused Products	Dispose of 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	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. TRANSPORT INFORMATION

DOT	
UN/ID No	UN3175
Proper Shipping Name	Solids containing flammable liquid, n.o.s. (Ethanol)
Hazard Class	4.1
Packing Group	II
Labels	4.1
Danger number	40
Transport category	2
Tunnel code	(E)
Special provisions	216 274 601
Limited quantity	1 kg
Expected quantity	E2
Packaging instructions	P002 IBC06 R001
Special packaging provisions	PP9
Mixed packaging provisions	MP11
Special provisions for carriage:	
Packages	VII
Special provisions for carriage:	
Bulk	VC1 VC2 AP2
Packaging exceptions	<1 kg – Limited Quantity

15. REGULATORY INFORMATION

This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR.

This product is not subject to the Hazardous Products Act (HPA) Part II (Hazardous Products) as per paragraph 12(j); Schedule 1 (Non-Application of Part II). This restriction states that Part II does not apply in respect of the sale or importation of anything listed in Schedule 1 which includes any pest control product as defined in subsection 2(1) of the Pest Control Products Act, any explosive as defined in section 2 of the Explosives Act, any cosmetic, device, drug or food, as defined in section 2 of the Food and Drugs Act, any consumer product as defined in section 2 of the Canada Consumer Product Safety Act and any wood or product made of wood.

KEEP OUT OF REACH OF CHILDREN. CAUTION PRECAUTIONARY STATEMENTS:

Hazards to humans and Domestic animals. **CAUTION:** Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating and drinking, chewing gum, using tobacco or using toilet. **PHYSICAL OR CHEMICAL HAZARDS:** Flammable. Keep away from heat or open flame.

Export Control List (CEPA 1999, Schedule 3) Not listed.

Greenhouse Gases: Not listed.

Precursor Control Regulations: Not listed.

WHMIS 2015 Exemptions: Not applicable.

This is a registered EPA product. The product labeling is in compliance with EPA regulations and guidelines.
EPA Registration No. - EPA 88494-4

This chemical is a disinfectant product registered by the United States 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 (SDS), and for workplace labels of non-disinfectant chemicals. The hazard information required on the disinfectant label is reproduced below. The disinfectant label also includes other important information, including directions for use.

PRECAUTIONARY STATEMENTS: Hazards to humans and Domestic animals. **CAUTION:** Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating and drinking, chewing gum, using tobacco or using toilet. Flammable. Keep away from heat or open flame.

US Federal Regulations**SARA 302 Extremely Hazardous Substance**

Not listed.

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

SARA 311/312 Hazard Categories

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

Inventory status

Canada Domestic Substances List (DSL): Yes

Canada Non-Domestic Substances List (NDSL): No

United States & Puerto Rico Toxic Substances Control Act (TSCA): Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s).

CAA (Clean Air Act) Section 112 Hazardous Air Pollutants (HAPs) List and Section 112(r) Accidental Release Prevention (40CFR68.130) Not regulated.**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.

US State Regulations**TSCA Section 12(b) Export Notification (40CFR707,Suppt. D)**

Not regulated.

US OSHA Specifically Regulated Substances (29CFR19.10.1001-1050)

Not listed.

US - California Hazardous Substances (Director's): Listed substance Ethanol (CAS 64-17-5) Listed. **US - Illinois Chemical Safety Act: Listed substance** Ethanol (CAS 64-17-5) **US - Louisiana Spill Reporting: Listed substance** Ethanol (CAS 64-17-5) Listed. **US - Minnesota Haz Subs: Listed substance** Ethanol (CAS 64-17-5) Listed. **US - New Jersey RTK - Substances: Listed substance** Ethanol (CAS 64-17-5) **US - Texas Effects Screening Levels: Listed substance** Didecyl dimethyl ammonium chloride (CAS 7173-51-5) Listed. Ethanol (CAS 64-17-5) Listed. **US. Massachusetts RTK - Substance List** Ethanol (CAS 64-17-5) **US. New Jersey Worker and Community Right-to-Know Act** Not regulated. **US. Pennsylvania Worker and Community Right-to-Know Law** Ethanol (CAS 64-17-5) **US. Rhode Island Right-to-Know Act** Ethanol (CAS 64-17-5).

US California Proposition 65

Ethanol is not considered to be a Prop 65 component for this product. The product is not an alcoholic beverage for consumption.

US - California Prop 65 - CRT: Listed date/carcinogenic substance

Ethanol (CAS 64-17-5) Listed: April 29, 2011 and Listed: July 1, 1988

US - California Prop 65 - CRT: Listed date/Developmental toxin

Ethanol (CAS 64-17-5) Listed: October 1, 1987

16. OTHER INFORMATION

<u>NFPA</u>	Health hazards 1	Flammability 3	Instability 0	Physical and Chemical Properties Yes
<u>HMIS</u>	Health hazards *1	Flammability 3	Physical hazards 0	Personal protection x
Issue Date	08-Jul-2020			
Revision Date	08-Jul-2020			
Revision Note	New format			

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