



Safety Data Sheet

Issue Date: 08-Apr-2020

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Version 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Product Name United 664 PERSONAL DEFENSE HAND SANITIZER

Other means of identification

SDS # UNITED-664

UN/ID No UN1987

Recommended use of the chemical and restrictions on use

Recommended Use Hand Sanitizer.

Restrictions on Use This SDS is provided for guidance in industrial and manufacturing settings, and is designed to give proper safety information for the safe handling, storage, and usage of industrial sized quantities. Individual consumer use may not be directly covered in the language of this document. This is a personal care or cosmetic product that is safe for consumers and other users under normal and reasonably foreseeable use. While this material is not considered hazardous at the general consumer use level, this SDS contains valuable information critical to the safe handling and proper use of the product for industrial workplace conditions as well as unusual and unintended exposures such as large spills. This SDS should be retained and available for employees and other users of this product. For consumer specific intended-use guidance, please refer to the information provided on the individual consumer package or instruction sheet.

Details of the supplier of the safety data sheet

Manufacturer 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 INFOTRAC 1-800-535-5053 (North America)
1-352-323-3500 (International)

2. HAZARDS IDENTIFICATION

Appearance Clear liquid

Physical state Liquid

Odor Alcohol

Classification

Serious eye damage/eye irritation	Category 2A
Specific target organ toxicity (single exposure)	Category 3
Flammable liquids	Category 2

Signal Word

Danger

Hazard statements

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



Precautionary Statements - Prevention

Wear protective gloves/protective clothing/eye protection/face protection. Wash thoroughly after handling. Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilating, and lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

Precautionary Statements - Response

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 ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center or doctor/physician if you feel unwell

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IN CASE OF FIRE: Use alcohol-resistant foam, carbon dioxide, dry sand, dry chemical foam, water spray to extinguish.

Precautionary Statements - Storage

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

Precautionary Statements - Disposal

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

Other hazards

May be harmful or fatal if swallowed and enters airways. Drinking of alcoholic beverages is casually related to cancers of the esophagus, larynx, oral cavity, pharynx and liver.

Percentage of Components with Unknown Acute Toxicity: Dermal: 73.1%

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No	Weight-%
Ethyl Alcohol	64-14-5	73.04
Isopropyl Alcohol	67-63-0	3.63
Glycerol (mist)	56-81-5	2.20

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

Description of first aid measures

Eye Contact	IF IN EYES: Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open. Tilt head to avoid contaminating unaffected eye. Get immediate medical attention.
Skin Contact	IF ON SKIN (or hair): No emergency care anticipated. No evidence of adverse effects based on available information.

Inhalation	IF INHALED: Remove victim to fresh air. If breathing is difficult, administer oxygen. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention immediately.
Ingestion	IF SWALLOWED: Call a physician immediately. Do not induce vomiting occurs spontaneously. Keep head below hips to prevent aspiration of liquid into the lungs.

Most important symptoms and effects, both acute and delayed

Symptoms	Causes severe eye irritation. May cause tearing, blinking, blurred vision, stinging, pain, redness, swelling. Vapors are also irritating. Transiently impaired perception of color may occur with acute ingestion or chronic alcoholism. May cause mild skin irritation. Contact may cause cracking, drying or redness. May be harmful if absorbed through the skin. May cause moderate respiratory irritation. Vapors may irritate the nose, throat, respiratory tract, eyes. Vapors may cause central nervous system depression. Symptoms may include coughing, headache, dizziness, nausea or vomiting. May cause mild irritation if swallowed. May cause irritation of the mucous membranes. May cause abdominal pain, nausea, vomiting, central nervous system depression. Repeated ingestion of large amounts may cause liver damage. Aspiration into the lungs may occur during ingestion or vomiting, resulting in lung injury.
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Indication of any immediate medical attention and special treatment needed

Notes to Physician	Symptoms vary with the alcohol level of the blood. Mild intoxication occurs at blood levels between 0.05%-0.15% and approximately 25% of individuals will show signs of intoxication at these levels. Above 0.15% the person is definitely under the influence of ethanol and 50%-95% of individuals at this level are clinically intoxicated. Severe poisoning occurs when the blood ethanol level is 0.3%-0.5%. Above 0.5% the individual will be comatose and death can occur. The unabsorbed ethanol should be removed by gastric lavage after intubating the patient to prevent aspiration. Avoid the use of depressant drugs or the excessive administration of fluids. If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. Treat appropriately.
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5. FIRE-FIGHTING MEASURES**Suitable Extinguishing Media**

Dry sand. Dry chemical. Alcohol resistant foam. Water fog. Water spray. Foam.

Unsuitable Extinguishing Media Do not use direct water stream.

Specific Hazards Arising from the Chemical

Highly flammable liquid and vapor. Vapors are heavier than air. Vapors may settle in low or confined areas, or travel long distances along the ground or surface to an ignition source where they may ignite, flashback, or explode. Keep away from heat, sparks, flames or other sources of ignition (e.g., static electricity, pilot lights, mechanical/electrical equipment). PROCESS HAZARD: Sudden release of hot organic chemical vapors or mists from process equipment operating at elevated temperature and pressure, or sudden ingress of air into hot equipment under a vacuum, may result in ignitions without the presence of obvious ignition sources. Published "autoignition" or "ignition" temperature values cannot be treated as safe operating temperatures in chemical processes without analysis of the actual process conditions. Any use of this product in elevated-temperature processes should be thoroughly evaluated to establish and maintain safe operating conditions. Alcohol flames may be difficult to see because they are virtually colorless. Vaporizes easily at normal temperatures. Prevent buildup of vapor to avoid explosive concentrations.

Hazardous combustion products Carbon monoxide. Carbon dioxide. Incompletely burned carbon compounds. Smoke. Fumes. Acrolein. Unidentified toxic and/or irritating compounds.

Special Protective equipment and precautions for firefighters

Evacuate area of unprotected personnel. Wear protective clothing including NIOSH-approved self-contained breathing apparatus. Remain upwind of fire to avoid hazardous vapors and decomposition products. Use water spray to cool fire-exposed containers and disperse vapors. If container is not properly cooled, it can rupture in the heat of a fire. Do not use direct water stream. May spread fire. Run-off from fire control may cause pollution.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

- Personal Precautions** Use personal protective equipment as required. HIGHLY FLAMMABLE LIQUID. Eliminate all sources of ignition. Evacuate unprotected personnel from area. Maintain adequate ventilation. Follow personal protective equipment recommendations found in Section 8. Never exceed any occupational exposure limit.
- For Emergency Responders** Use personal protection recommended in Section 8. Remove all sources of ignition.

Environmental precautions

- Environmental precautions** See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

Methods for Containment and Clean up Use non-sparking tools and equipment. Ground and bond all containers and handling equipment. A vapor suppressing foam may be used to reduce vapors. Shut off source of leak if safe to do so. Contain spill, place into drums for proper disposal. Soak up residue with non-flammable absorbent material. DO NOT use sawdust or other cellulose-type material. Place in non-leaking containers for immediate disposal. Flush remaining area with water to remove trace residue and dispose of properly. Avoid direct discharge to sewers and surface waters. Notify authorities if entry occurs. Prevent entry into basements, low areas, or confined areas.

7. HANDLING AND STORAGE

Precautions for safe handling

- Advice on Safe Handling** Avoid contact with eyes, skin, and clothing. Use with adequate ventilation. Do not swallow. Avoid breathing vapors, mists, or dust. Do not eat, drink, or smoke in work area. Wash thoroughly after handling. Empty containers retain product residue (vapor, dust, or liquid) and can be dangerous. DO NOT pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other source of ignition. They may explode and cause injury or death. Take precautionary measures against static discharges. Use non-sparking tools and equipment. Always open containers slowly to allow any excess pressure to vent.

Conditions for safe storage, including any incompatibilities

- Storage Conditions** HIGHLY FLAMMABLE LIQUID. Store in a cool, well-ventilated area away from all sources of ignition and out of direct sunlight. Store in a dry location away from heat. Keep away from incompatible materials. Keep containers tightly closed. Do not store in unlabeled or mislabeled containers. Static electricity may accumulate and create a fire hazard. Ground fixed equipment. Bond and ground transfer containers and equipment. Protect against physical damage. Refer to local fire codes for storage requirements and allowable limits.
- Incompatible Materials** Refer to Section 10 Stability and Reactivity

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Isopropyl Alcohol 67-63-0	STEL: 400 ppm TWA: 200 ppm	TWA: 400 ppm TWA: 980 mg/m ³	-
Glycerol (mist) 56-81-5	-	TWA: 15 mg/m ³ mist, total particulate TWA: 5 mg/m ³ mist, respirable fraction	-
Ethyl Alcohol 64-17-5	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m ³	-

Appropriate engineering controls

Engineering Controls None expected to be needed under normal use. Maintain adequate ventilation. Do not use in closed or confined spaces. Avoid creating dust or mist. Keep levels below exposure limits. To determine exposure levels, monitoring should be performed regularly.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Not required for normal use. If splashing of liquid may occur, then wear a face shield.

Skin and Body Protection Material is not considered a skin contact hazard.

Respiratory Protection Respiratory protection may be required to avoid overexposure when handling this product. If exposure limits are exceeded, wear: NIOSH-Approved organic respirator. DO NOT exceed limits established by the respirator manufacturer. All respiratory protection programs must comply with OSHA 29 CFR 1910.134 and ANSI Z88.2 requirements and must be followed whenever workplace conditions require a respirator's use.

Other Protective Equipment: Eye-wash station. Safety Shower. Chemical safety shoes. Protective clothing.

General Hygiene Considerations Wash with soap and water before meal times and at the end of each work shift. Good manufacturing practices require gross amounts of any chemical be removed from skin as soon as practical, especially before eating or smoking. Handle in accordance with good industrial hygiene and safety practice. Food, beverages, and tobacco products should not be carried, stored or consumed where this material is in use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Liquid	Odor	Alcohol
Appearance	Clear liquid	Odor Threshold	Not determined
Color	Clear. Colorless		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	No information available	
Melting point / freezing point	Not determined	
Boiling point / boiling range	>120°F	
Flash point	~67°F	Calculated
Evaporation Rate	Not determined	
Flammability (Solid, Gas)	Not determined	
Flammability Limit in Air		
Upper flammability or explosive limits	Not determined	
Lower flammability or explosive limits	Not determined	
Vapor Pressure	Not determined	
Vapor Density	Not determined	
Relative Density/Specific Gravity	0.8585 @ 25°C	
Water Solubility	Not determined	
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Autoignition temperature	Not determined	
Decomposition temperature	Not determined	
Kinematic viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	

10. STABILITY AND REACTIVITY

Reactivity

No information available.

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

Hazardous polymerization will not occur under normal conditions.

Conditions to Avoid

Avoid contact with heat, sparks, electric arcs, other hot surfaces, and open flames. Avoid other ignition sources. Avoid static discharges.

Incompatible materials

Acids. Alkalies. Amines. Halogens. Strong oxidizing agents. Chlorine. Isocyanates. Chlorinated compounds. Aldehydes. Alkanolamines. Ethylene oxide. Aluminum. Oleum. Chromium trioxide. Moisture. Acetaldehyde. Ketones. Acid anhydrides. Permanganates. Oxygen. Hydrogen peroxide. Potassium tert-butoxide. Iron salts. Carbonyl dichloride (phosgene). Trinitromethane. Barium perchlorate. Dioxygenyl tetrafluoroborate. Nitroform. Perchloric acid. Hypochlorous acid. Sulfuric acid. Urea formaldehyde. Hexamethylene diisocyanate. Caustics. Halogenated organics. Aluminum isopropoxide + crotonaldehyde + heat. Sodium dichromate + sulfuric acid. Hydrogen + palladium. Hydrogen peroxide-sulfuric acid combination. Sodium. Water-reactive materials. Oxidizing agents. Strong inorganic acids. Alkali metals. Aluminum at high temperatures. Ammonia.

Hazardous decomposition products

Carbon monoxide. Carbon dioxide. Irritating and/or toxic gases. Acrolein.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Eye Contact	Causes severe irritation. May cause: tearing, blinking, blurred vision, stinging, pain. Redness, swelling. Vapors are also irritating. Transiently impaired preception of color may occur with acute ingestion or chronic alcoholism.
Skin Contact	May cause mild irritation. Contact may cause: cracking, drying, redness. May be harmful if absorbed through skin.
Inhalation	May cause moderate irritation. Vapors may irritate: nose, throat, respiratory tract, eyes. Vapors may cause: central nervous system depression. Symptoms may include: coughing, headache, dizziness, nausea, vomiting.
Ingestion	May cause mild irritation. May cause irritation of the: mucous membranes. May cause: abdominal pain, nausea, vomiting, central nervous system depression. Repeated ingestion of large amounts may cause: liver damage. Aspiration into the lungs may occur during ingestion or vomiting, resulting in lung injury.

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Isopropyl Alcohol 67-63-0	= >4000 mg/kg (Rat)	= 4059 mg/kg (Rabbit)	= 72.6 mg/L (Rat) 4 h
Glycerol 56-81-5	= 12600 mg/kg (Rat)	> 10 g/kg (Rabbit)	> 570 mg/m ³ (Rat) 1 h
Ethyl Alcohol 64-17-5	= 7060 mg/kg (Rat)	No information available	= 124.7 mg/L (Rat) 4 h

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Please see section 4 of this SDS for symptoms.

This product does not contain 0.1% or more of the known or potential carcinogens listed in NTP, IARC, or OSHA.

Medical Conditions Aggravated by Exposure to Product:

Central nervous system disorders. Liver disorders. Respiratory system disorders. Eye disorders. Skin disorders. Kidney disorders. Impaired pulmonary function. Other: In humans, excessive consumption of alcoholic beverages during pregnancy is associated with the induction of Fetal Alcohol Syndrome in the offspring, causing reduced birth weight and physical and mental defect to occur. There is no evidence that such effects might be caused by exposures other than direct ingestion of alcoholic drinks. Blood ethanol concentrations resulting from ethanol exposure by any route other than deliberate and repeated oral consumption are unlikely to reach levels associated with reproductive or developmental effects. From the available data, it can be concluded that it is impossible to reach the dose of ethanol required to produce any sort of adverse reproductive response other than by repeated oral consumption of large amounts of ethanol, doses normally only associated with problem drinking, and therefore classification for reproductive or developmental toxicity in the context of a chemical substance is not appropriate or warranted. In sub-chronic feeding or drinking water studies in rats, NOAELs for ethanol ranged from 1.73 g/kg to 3.9 g/kg. The most sensitive affect above these doses appeared to be the kidney in males. Effects are only seen at doses well about the levels that would require classification.

12. ECOLOGICAL INFORMATION

Ecotoxicity

No information available.

Chemical Fate Information

No information available.

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes

Dispose of in a permitted hazardous waste management facility following all local, state and federal regulations. Since emptied containers retain product residue, follow label warnings even after container is emptied. DO NOT pressurize, cut, weld, solder, drill, grind or expose empty containers to heat, flame, sparks or other sources of ignition. Disposal methods identified are for the product as sold. For proper disposal of used material, an assessment must be completed to determine the proper and permissible waste management options permitted under applicable rules, regulations and/or laws governing your location. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator.

14. TRANSPORT INFORMATION

Note

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT

UN/ID No	UN1987
Proper Shipping Name	ALCOHOL, N.O.S. (Contains Ethyl Alcohol, Isopropyl Alcohol)
Hazard class	3
Packing Group	II
Label required	Flammable

15. REGULATORY INFORMATION

TSCA Inventory Status: All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements.

US Federal Regulations

CERCLA

This material, as supplied, does not contain a substance(s) regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

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 EHS

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.

US State Regulations

U.S. HAP – No WI HAP - No

California Proposition 65

*Prop. 65 – May contain the following trace components:

WARNING: This product can expose you to a chemical or chemicals such as (acetaldehyde, methanol) that are known to the State of California to cause cancer and/or birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov/product.

Note: *Ethyl alcohol in alcoholic beverages is listed.

16. OTHER INFORMATION

<u>NFPA</u>	Health Hazards 2	Flammability 3	Instability 0	Special Hazards None
<u>HMIS</u>	Health Hazards 2*	Flammability 3	Physical hazards 0	Personal Protection None

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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 a 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