

FORTIFIED BIO LABS

Alcohol Antiseptic 80% Topical solution Hand Sanitizer Non-Sterile Solution
Safety Data Sheet
Fortified Biolabs LLC

1. IDENTIFICATION

Product Name:	Alcohol Antiseptic 80% Topical solution Hand Sanitizer Non-Sterile Solution
Chemical name:	USP Grade Ethyl Alcohol Solution contains Specially Denatured Alcohol (SDA) 40-B, 200 Proof
Recommended Use	Hand Sanitizer.
CAS#:	Chemical Blend
Manufacturer's/Supplier Address:	Maryland Packaging, 7030 Troy Hill Drive Suite 500 Elkrigde MD 21075
Emergency Telephone Number	1-833-540-9269

2. HAZARDS IDENTIFICATION

Classification:

Flammable Liquids:	Category 3	Eye Irritation:	Category 2 A	Signal Word:	WARNING!
Hazard Statements:	Flammable liquid and Vapor. Causes serious eye Irritation				

This is a personal care or cosmetic product that is safe for consumers and other users under normal and reasonably foreseeable use. Cosmetics and consumer products, specifically defined by regulations around the world, are exempt from the requirement of an SDS for the consumer. While this material is not considered hazardous, 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 specific intended-use guidance, please refer to the information provided on the package or instruction sheet.

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 nonspeaking tools. Take action to prevent static discharges. Wear protective gloves/protective clothing/eye protection/face protection. Wash hands thoroughly after handling.

Response

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. In case of fire: Use water spray, CO2, foam, dry chemical for extinction. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF INHALED: Remove victim to fresh air and keep comfortable for breathing.

Storage

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

Disposal Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

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3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight-%	GHS-US classification
ETHYL ALCOHOL	64-17-5	75-85	Flam. Liq. 2, H225 Eye Irrit. 2A, H319
tert-Butyl alcohol	75-65-0	0.1	Flam. Liq. 2, H225 Acute Tox. 4 (Inhalation: vapor), H332 Eye Irrit. 2A, H319 STOT SE 3, H335
Denatonium Benzoate	3734-33-6	< 0.1	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation: dust, mist), H332 Eye Dam. 1, H318 Aquatic Chronic 3, H412

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

First Aid Measures

Eyes: IMMEDIATELY FLUSH EYES WITH CLEAN WATER FOR AT LEAST 15 MINUTES. IF IRRITATION IS SEVERE OR CONTINUES AFTER RINSING, GET MEDICAL ATTENTION.

Skin: IF SKIN IRRITATION IS SEVERE OR CONTINUES, GET MEDICAL ATTENTION. REMOVE CONTAMINATED CLOTHING AND WASH AFFECTED SKIN AREAS WITH MILD SOAP AND WATER. WASH CONTAMINATED CLOTHING BEFORE RE-WEARING. DISCARD CONTAMINATED SHOES.

Inhalation: IF AFFECTED BY BREATHING VAPOR, REMOVE INDIVIDUAL TO FRESH AIR. IF BREATHING IS DIFFICULT, GET MEDICAL ATTENTION.

Ingestion: IF SWALLOWED CONTACT PHYSICIAN OR POISON CONTROL CENTER. NEVER GIVE ANYTHING BY MOUTH IF VICTIM IS UNCONSCIOUS. INDUCE VOMITING ONLY ON ADVICE OF PHYSICIAN.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: WATER SPRAY OR MIST, CO2, DRY CHEMICAL, FOAM.

Fire Fighting Procedures: USE STANDARD FIREFIGHTING PROCEDURES AND CONSIDER THE HAZARDS OF OTHER INVOLVED MATERIALS.

Precautions for Fire Fighting: WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR.

Hazardous Combustion Products: CARBON DIOXIDE, CARBON MONOXIDE, AND VARIOUS HYDROCARBONS MAY BE RELEASED DURING A FIRE.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions/ Protective Equipment: REMOVE ALL UNNECESSARY PERSONNEL AND VENTILATE AREA. FOR PERSONAL PROTECTIVE EQUIPMENT SEE SECTION 8.

Environmental Precautions: KEEP RUN OFF OUT OF MUNICIPAL SEWERS AND OPEN BODIES OF WATER.

Methods for Cleaning Up: CONTAIN SPILL AND SALVAGE AS MUCH MATERIAL AS POSSIBLE BY PUMPING TO A SALVAGE TANK OR DRUM. PICK UP REMAINING MATERIAL WITH A SUITABLE ABSORBENT.

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7. HANDLING AND STORAGE

Precautions for safe handling: DO NOT SMOKE WHEN USING THIS PRODUCT OR USE NEAR OPEN FLAME OR SOURCES OF EXTREME HEAT. KEEP CONTAINER CLOSED WHEN NOT IN USE. WASH CONTAMINATED CLOTHING BEFORE REWEARING. WEAR CHEMICAL RESISTANT GLOVES. WEAR CHEMICAL SPLASH GOGGLES. AVOID BREATHING MISTS OR VAPORS. AVOID CONTACT WITH EYES, SKIN AND CLOTHING. USE ONLY WITH ADEQUATE VENTILATION

Conditions for Safe Storage: STORE AT NORMAL TEMPERATURES AND CONDITIONS OF WAREHOUSING. KEEP CONTAINER TIGHTLY CLOSED AND STORED IN A WELL-VENTILATED PLACE.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Name	CAS #	Exposure limit/Value	Type	Source
Ethyl Alcohol	64-17-5	1000 ppm	TWA	WEEL

Appropriate Engineering Controls:

SAFETY SHOWER/EYE BATH.
GOOD GENERAL VENTILATION SHOULD BE USED.
VENTILATION RATES SHOULD BE MATCHED TO CONDITIONS PRESENT.

Personal Protective Equipment

Eyes: WEAR SAFETY GLASSES OR PROTECTIVE FACE SHIELD.

Skin: WEAR CHEMICAL RESISTANT GLOVES, CLOTHING AND FOOTWEAR.

Respiratory: IF AIRBORNE CONCENTRATIONS POSE A HEALTH HAZARD, BECOME IRRITATING, OR EXCEED RECOMMENDED LIMITS, USE A NIOSH APPROVED RESPIRATOR IN ACCORDANCE WITH OSHA RESPIRATORY PROTECTION REQUIREMENTS UNDER 29 CFR 1910.134.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	CLEAR/SLIGHTLY HAZY BLUE LIQUID
Odor:	ALCOHOL
pH:	6.5-8.5 NEAT
Solubility in Water:	SOLUBLE
Specific Gravity @ 25C:	0.879
Boiling Point:	Not Available
Flash Point:	75F
Viscosity @ 25C:	200-750 cps
Melting Point:	Not Available
Freezing Point:	Not Available
Vapor Pressure @ 25C:	Not Available
Evaporation Rate:	Not Available

10. STABILITY AND REACTIVITY

Chemical Stability: STABLE UNDER RECOMMENDED STORAGE CONDITIONS.

Conditions to Avoid: HEAT, SPARKS, OPEN FLAMES AND OTHER IGNITION SOURCES.

Incompatible Materials: STRONG OXIDIZERS.

Hazardous Decomposition Products: CARBON DIOXIDE, CARBON MONOXIDE AND VARIOUS HYDROCARBONS MAY BE RELEASED DURING A FIRE.

Possibility of Hazardous Reactions: NONE ARE KNOWN.

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11. TOXICOLOGICAL INFORMATION

Acute Health Effects:

Eyes: WILL CAUSE MODERATE TO SEVERE EYE IRRITATION.

Skin: PROLONGED OR REPEATED CONTACT WITH THE UNDILUTED PRODUCT CAN CAUSE SKIN DRYNESS OR IRRITATION.

Ingestion: SWALLOWING THIS PRODUCT MAY CAUSE GASTROINTESTINAL IRRITATION, DIARRHEA, NAUSEA, AND VOMITING.

Inhalation: BREATHING VAPORS AT ELEVATED TEMPERATURES MAY CAUSE RESPIRATORY IRRITATION.

Chronic Health Effects: NOT DETERMINED.

Toxicity Values: COMPONENT: ETHYL ALCOHOL LD50 >2000 mg/kg, Rat

12. ECOLOGICAL INFORMATION

Ecotoxicity: COMPONENT: ETHYL ALCOHOL

FISH LL/EL/IL50 > 100 mg/l

Persistence and Degradability: PRODUCT IS READILY BIODEGRADABLE.

Bio accumulative Potential: NO DATA AVAILABLE.

Mobility in Soil: NO DATA AVAILABLE.

Other Adverse Effects: NO DATA AVAILABLE.

13. DISPOSAL CONSIDERATIONS

DISPOSE OF ONLY AT A LICENSED AND CERTIFIED CHEMICAL WASTE DISPOSAL FACILITY. DISPOSE OF ONLY BY METHODS APPROVED BY AND USED IN ACCORD WITH LOCAL, STATE AND FEDERAL REGULATIONS. Waste Treatment Methods

14. TRANSPORT INFORMATION

DOT Road Shipment Information (49 CFR 172.101):

UN1993, FLAMMABLE LIQUID, N.O.S. (CONTAINS ETHYL ALCOHOL), 3, PG III, ERG# 128

Ocean Shipment (IMDG):

UN1993, FLAMMABLE LIQUID, N.O.S. (CONTAINS ETHYL ALCOHOL), 3, PG III, ERG# 128

Air Shipment (IATA):

UN1993, FLAMMABLE LIQUID, N.O.S. (CONTAINS ETHYL ALCOHOL), 3, PG III, ERG# 128

15. REGULATORY INFORMATION

TSCA Status: ALL COMPONENTS OF THIS PRODUCT ARE LISTED IN THE TSCA INVENTORY.

EPA SARA Title III Chemical Listings

Section 302 Extremely Hazardous Substances: No

Section 304 CERCLA Hazardous Substances: No

Section 311/312 Hazard Class:

Acute: Yes

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Safety Data Sheet
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Chronic: No
Fire: Yes
Pressure: No
Reactive: No
Section 313 Toxic Chemicals: Non

16. OTHER INFORMATION

General Information

EMPTIED CONTAINERS MAY RETAIN HAZARDOUS RESIDUE AND EXPLOSIVE VAPORS. KEEP AWAY FROM HEAT, SPARKS, AND FLAMES. DO NOT CUT, PUNCTURE, OR WELD ON OR NEAR THIS CONTAINER. FOLLOW LABEL WARNINGS UNTIL CONTAINER IS THOROUGHLY CLEANED OR DESTROYED. ATTENTION: DO NOT RE-USE CONTAINER FOR PURPOSES OTHER THAN ORIGINALLY INTENDED. EMPTIED CONTAINER RETAINS VAPOR OR PRODUCT RESIDUE. DO NOT RE-USE UNLESS CONTAINER IS THOROUGHLY RECONDITIONED. FOR INDUSTRIAL USE ONLY. USE ONLY ACCORDING TO INFORMATION CONTAINED IN THE TECHNICAL BULLETIN AND MSDS.

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