

## 1. Product and Company Identification

**Product Code:** LFGRHBDHS.  
**Product Name:** Decon-E Hand Sanitizer  
**Trade Name:** Renegade Products  
**Reference #:** 7383765216  
**Company Name:** Maverick Abrasives  
 4340 E. Miraloma Ave  
 Anaheim, CA 92807  
  
**Web site address:** www.renegadeproductsusa.com  
**Email address:** cs@renegadeproductsusa.com  
**Emergency Contact:** INFOTRAC (800)535-5053  
 Contract #914-39  
  
**Information:** FDA Approved  
**Part Number:** NDC: 73837-652-16, LFGRHBDHS2, LFGRHBDHS16

## 2. Hazards Identification

Flammable Liquids, Category 3



**GHS Signal Word:** **Warning**  
**GHS Hazard Phrases:** H226 - Flammable liquid and vapor.  
**GHS Precautionary Phrases:** P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
 P233 - Keep container tightly closed.  
 P241 - Use explosion-proof electrical/ventilating/lighting/.../ equipment.  
 P242 - Use only non-sparking tools.  
 P243 - Take precautionary measures against static discharge.  
 P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
**GHS Response Phrases:** P303+361+353 - IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.  
**GHS Storage and Disposal Phrases:** P403+235 - Store in cool/well-ventilated place.  
 P501 - Dispose of contents/container to in accordance with all applicable local, state, and federal regulations.  
  
**OSHA Regulatory Status:** This material is classified as not hazardous under OSHA regulations.  
**Potential Health Effects (Acute and Chronic):** Hazards not otherwise classified (HNOC) or not covered by GHS. May form explosive peroxides.

## 3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration	
64-17-5	Ethyl alcohol	70.0 %	
7732-18-5	Water	30.0 %	

### 4. First Aid Measures

<b>Emergency and First Aid Procedures:</b>	Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
<b>In Case of Inhalation:</b>	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
<b>In Case of Skin Contact:</b>	Wash off with soap and plenty of water. Consult a physician.
<b>In Case of Eye Contact:</b>	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
<b>In Case of Ingestion:</b>	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
<b>Signs and Symptoms Of Exposure:</b>	The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11
<b>Indication of any immediate medical attention and special treatment needed:</b>	No data available.

### 5. Fire Fighting Measures

<b>Flash Pt:</b>	18.00 C (64.4 F) Method Used: TAG Open Cup
<b>Explosive Limits:</b>	LEL: 2 %(V) UEL: 12.7 %(V)
<b>Autoignition Pt:</b>	425.00 C (797.0 F)
<b>Suitable Extinguishing Media:</b>	Dry powder. Dry sand.
<b>Unsuitable Extinguishing Media:</b>	Do not use water jet.
<b>Fire Fighting Instructions:</b>	Wear self contained breathing apparatus for fire fighting if necessary. Further information: Use water spray to cool unopened containers.
<b>Flammable Properties and Hazards:</b>	No data available.
<b>Hazardous Combustion Products:</b>	No data available.

### 6. Accidental Release Measures

<b>Protective Precautions, Protective Equipment and Emergency Procedures:</b>	Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas. For personal protection see section 8.
<b>Environmental Precautions:</b>	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
<b>Steps To Be Taken In Case Material Is Released Or Spilled:</b>	Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

### 7. Handling and Storage

<b>Precautions To Be Taken in Handling:</b>	Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Use explosion-proof equipment. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge. For precautions see section 2.
<b>Precautions To Be Taken in Storing:</b>	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Handle and store under inert gas. Hygroscopic. Storage class (TRGS 510): 3: Flammable liquids
<b>Other Precautions:</b>	Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

## 8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
64-17-5	Ethyl alcohol	PEL: 1000 ppm	TLV: 1000 ppm STEL: 1000 ppm	No data.
7732-18-5	Water	No data.	No data.	No data.

CAS #	Chemical Name	Jurisdiction	Recommended Exposure Limits	Notations
64-17-5	Ethyl alcohol	California, USA PELs	TWA: 1900 mg/m3 (1000 ppm)	
		NIOSH	TWA: 1900 mg/m3 (1000 ppm)	

**Personal Protective**

**Equipment Symbols:**

**Respiratory Equipment (Specify Type):**

Respiratory: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi- purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls.

If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Eye Protection:**

Face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**Protective Gloves:**

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. Full contact.

Material: Nitrile rubber, Minimum layer thickness: 0.4 mm, Break through time: 480 min. Splash contact:

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

**Other Protective Clothing:**

Impervious clothing. Flame retardant antistatic protective clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Engineering Controls (Ventilation etc.):**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

**Environmental Exposure Controls:**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

## 9. Physical and Chemical Properties

<b>Physical States:</b>	[ ] Gas [ X ] Liquid [ ] Solid
<b>Appearance and Odor:</b>	Appearance: Form: liquid. Color: colorless. Odor: alcohol-like. Odor Threshold: No data available.
<b>pH:</b>	7
<b>Melting Point:</b>	-89.50 C (-129.1 F)
<b>Boiling Point:</b>	82.00 C (179.6 F)
<b>Flash Pt:</b>	18.00 C (64.4 F) Method Used: TAG Open Cup
<b>Evaporation Rate:</b>	3.0
<b>Flammability (solid, gas):</b>	No data available.
<b>Explosive Limits:</b>	LEL: 2 %(V) UEL: 12.7 %(V)
<b>Vapor Pressure (vs. Air or mm Hg):</b>	43.2 hPa at 20.0 C (68.0 F)
<b>Vapor Density (vs. Air = 1):</b>	NA
<b>Specific Gravity (Water = 1):</b>	No data.
<b>Density:</b>	7.078 LB/GA
<b>Solubility in Water:</b>	100%
<b>Octanol/Water Partition Coefficient:</b>	0.05
<b>Percent Volatile:</b>	70.0 % by weight.
<b>Autoignition Pt:</b>	425.00 C (797.0 F)
<b>Decomposition Temperature:</b>	No data.
<b>Viscosity:</b>	~ 1000 cP

## 10. Stability and Reactivity

<b>Reactivity:</b>	No data available.
<b>Stability:</b>	Unstable [ ] Stable [ X ]
<b>Conditions To Avoid - Instability:</b>	Conditions to Avoid: Heat, flames and sparks.
<b>Incompatibility - Materials To Avoid:</b>	Oxidizing agents, Acid anhydrides, Aluminum, Halogenated compounds, Acids.
<b>Hazardous Decomposition or Byproducts:</b>	Hazardous decomposition products formed under fire conditions. -Carbon oxides. No data available.  In the event of fire: see section 5.
<b>Possibility of Hazardous Reactions:</b>	Will occur [ ] Will not occur [ X ]
<b>Conditions To Avoid - Hazardous Reactions:</b>	Vapors may form explosive mixture with air.

## 11. Toxicological Information

<b>Toxicological Information:</b>	Acute toxicity.
	Behavioral: Somnolence (general depressed activity).
	Germ cell mutagenicity: No data available.
	Ames test.
	Bacteria - Salmonella typhimurium, Result: negative.
	In vitro mammalian cell gene mutation test: (OECD Test Guideline 474) Mouse, male and female. Bone marrow. Reproductive toxicity. Aspiration hazard:
<b>Irritation or Corrosion:</b>	Skin corrosion/irritation. Skin. Rabbit.
	Result: No skin irritation . Remarks: (anhydrous substance) (OECD Test Guideline 404)
	Serious eye damage/eye irritation: Eyes. No eye irritation . (OECD Test Guideline 405)
<b>Sensitization:</b>	Buehler Test: Species: Guinea pig. Result: negative. (OECD Test Guideline 406))
<b>Chronic Toxicological Effects:</b>	Specific target organ toxicity - single exposure: Inhalation: Oral. May cause drowsiness or dizziness.
	Acute inhalation toxicity: Central nervous system.
	Specific target organ toxicity -repeated exposure: no data available.
<b>Carcinogenicity/Other Information:</b>	This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification.
	IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
	NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
	OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
<b>Carcinogenicity:</b>	NTP? No      IARC Monographs? No      OSHA Regulated? No

## 12. Ecological Information

<b>General Ecological Information:</b>	(US-EPA)
<b>Results of PBT and vPvB assessment:</b>	PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.
<b>Persistence and Degradability:</b>	Biodegradability aerobic -Exposure time 21 d Result: 95 % -Readily biodegradable.
	(OECD Test Guideline 301E)
<b>Bioaccumulative Potential:</b>	No bioaccumulation is to be expected (log Pow <= 4).
<b>Mobility in Soil:</b>	No data available.
<b>Other adverse effects:</b>	No data available.

## 13. Disposal Considerations

<b>Waste Disposal Method:</b>	The generations of waste should be avoided or minimized wherever possible. Disposal of this product, solutions, and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incinerators or landfill should be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of
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spilled material and runoff and contact with soil, waterways, drain and sewers. See Section 8 for information on appropriate personal protective equipment.

### 14. Transport Information

**LAND TRANSPORT (US DOT):**

**DOT Proper Shipping Name:** Flammable liquids, n.o.s. (Ethyl alcohol)  
**DOT Hazard Class:** 3 FLAMMABLE LIQUID  
**UN/NA Number:** UN1993 **Packing Group:** III



**AIR TRANSPORT (ICAO/IATA):**

**ICAO/IATA Shipping Name:** Flammable liquids, n.o.s. Ethyl Alcohol  
**UN Number:** 1993 **Packing Group:** III  
**Hazard Class:** 3 - FLAMMABLE LIQUID

### 15. Regulatory Information

**EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists**

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
64-17-5	Ethyl alcohol	No	No	No
7732-18-5	Water	No	No	No

**This material meets the EPA 'Hazard Categories' defined for SARA Title III Sections 311/312 as indicated:**

- |   |  |
|---|--|
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Explosive   | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Acute toxicity (any route of exposure)                       |
| <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Flammable (gases, aerosols, liquid, or solid)     | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Skin Corrosion or Irritation                                 |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Oxidizer (liquid, solid or gas)                   | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Serious eye damage or eye irritation                         |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Self-reactive                                     | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Respiratory or Skin Sensitization                            |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Pyrophoric (liquid or solid)                      | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Germ cell mutagenicity                                       |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Pyrophoric gas                                    | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Carcinogenicity  |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Self-heating                                      | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Reproductive toxicity  |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Organic peroxide                                  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Specific target organ toxicity (single or repeated exposure) |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Corrosive to metal                                | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Aspiration Hazard  |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Gas under pressure (compressed gas)               | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Simple Asphyxiant  |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No In contact with water emits flammable gas         | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Health) Hazard Not Otherwise Classified (HNOC)              |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Combustible Dust                                  |  |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Physical) Hazard Not Otherwise Classified (HNOC) |  |

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
64-17-5	Ethyl alcohol	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: Title 8
7732-18-5	Water	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No

**16. Other Information**

Revision Date: 03/26/2020

Hazard Rating System:

HEALTH		1
FLAMMABILITY		3
PHYSICAL		1
PPE		

HMIS:

**Additional Information About** This Product: No data available.**This Product:****Company Policy or  
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