

# GLENDO LLC

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## SAFETY DATA SHEET

### 1. PRODUCT AND COMPANY INFORMATION

#### 1.1 PRODUCT IDENTIFIER(S)

**Product Name:** Spray Diamond (Alcohol-based)

**Stock Number:** 002-752, 002-753, 002-754, 002-755, 002-817, 001-782-1/4, 001-782-1/2, 001-782-1, 001-782-3

#### 1.2 COMPANY INFORMATION

**Distributor's Name:** Glendo LLC

**Address:** 900 Overlander Road, Emporia, KS 66801

**Phone:** (620) 343-1084

### 2. HAZARDS IDENTIFICATION

#### 2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE



H225: HIGHLY FLAMMABLE LIQUID AND VAPOR



H319: CAUSES SERIOUS EYE IRRITATION

#### 2.2 GHS LABEL ELEMENTS, INCLUDING PRECAUTIONARY STATEMENTS

##### LABEL ELEMENTS

**GHS label elements:** The product is classified and labeled according to the Globally Harmonized System (GHS).

##### HAZARD PICTOGRAMS



GHS02



GHS08

**SIGNAL WORD:** Danger

**HAZARD-DETERMINING COMPONENTS OF LABELING:** Ethanol

##### HAZARD STATEMENTS

Highly flammable liquid and vapor.

May cause cancer.

##### PRECAUTIONARY STATEMENTS

If medical advice is needed, have product container or label at hand.

Keep out of reach of children.

Read label before use.

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

Use explosion-proof electrical, ventilating, and lighting equipment.

Wear protective gloves, eye protection, and face protection.

Ground/bond container and receiving equipment.

Keep container tightly closed.

Use only non-sparking tools.

Take precautionary measures against static discharge.

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Store locked up.

Store in a well-ventilated place. Keep cool.

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

Wash thoroughly after handling.

**IF ON SKIN (OR HAIR):** Immediately remove/take off all contaminated clothing. Rinse skin with water/shower.

**IF EXPOSED OR CONCERNED:** Get medical advice/attention.

**IN CASE OF FIRE: USE FOR EXTINCTION:** CO<sub>2</sub>, powder, or water spray.

**IF IN EYES:** Rinse carefully with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists, seek medical attention.

### **2.3 HAZARDS NOT OTHERWISE CLASSIFIED (HNOC) OR NOT COVERED BY GHS**

None.

## **3. COMPOSITION / INFORMATION ON INGREDIENTS**

### **3.1 SUBSTANCES**

**Hazardous Components:** Ethanol

<b>CHEMICAL NAME</b>	<b>CAS #</b>	<b>Amount</b>
Ethanol Alcohol	CAS# 64-17-5	40%–60%
Micron Sized Industrial Diamond	CAS# 7782-40-3	1%–5% by WT
Water Distilled or Deionized	CAS# 7732-18-5	Remainder

## **4. FIRST AID MEASURES**

### **4.1 DESCRIPTION OF FIRST AID MEASURES**

**GENERAL ADVICE:** Move out of dangerous area.

**IF INHALED:** If breathed in, move person into fresh air. If not breathing, give artificial respiration.

**IN CASE OF SKIN CONTACT:** Wash off with soap and plenty of water.

**IN CASE OF EYE CONTACT:** Flush eyes with water as a precaution.

**IF SWALLOWED:** Never give anything by mouth to an unconscious person. Rinse mouth with water.

### **4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED**

The most important known symptoms and effects are described in labelling (see section 2.2) and/or in section 11.

### **4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED**

No data available.

## **5. FIREFIGHTING MEASURES**

### **5.1 HIGHLY FLAMMABLE**

But in case of other fire, see below

### **5.1 EXTINGUISHING MEDIA**

Suitable extinguishing media: CO<sub>2</sub>, sand, or dry fire extinguisher

**DO NOT** use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.

### **5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE**

Ethanol alcohol

### **5.3 ADVICE FOR FIREFIGHTERS**

Wear self-contained breathing apparatus for fire fighting if necessary.

### **5.4 FURTHER INFORMATION**

No data available.

## **6. ACCIDENTAL RELEASE MEASURES**

### **6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES**

Avoid vapor formation. No other special measures needed.

### **6.2 ENVIRONMENTAL PRECAUTIONS**

Keep out of sewer system or other waters.

### **6.3 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP**

Clean up water. No other special measures needed.

### **6.4 REFERENCE TO OTHER SECTIONS**

Rinse residue down drain and clean up water.

No other special measures needed.

## **7. HANDLING AND STORAGE**

### **7.1 PRECAUTIONS FOR SAFE HANDLING**

No special precautions needed.

### **7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES**

Keep container tightly closed when not in use.

Keep sources of ignition away. Do not smoke.

### **7.3 SPECIFIC END USE(S)**

Use per instructions. No other special measures needed.

## **8. EXPOSURE CONTROLS, PERSONAL PROTECTION, AND CONTROL PARAMETERS**

### **Components with limit values that require monitoring at the workplace:**

#### **64-17-5 Ethanol**

PEL Long-term value: 1900 mg/m<sup>3</sup>, 1000 ppm

REL Long-term value: 1900 mg/m<sup>3</sup>, 1000 ppm

TLV Short-term value: 1880 mg/m<sup>3</sup> 1000 ppm

### **8.1 CONTROL PARAMETERS**

#### **Components with workplace control parameters**

Contains no substances with occupational exposure limit values.

## **8.2 EXPOSURE CONTROLS**

### **APPROPRIATE ENGINEERING CONTROLS**

General industrial hygiene practice.

Personal protective equipment.

### **EYE/FACE PROTECTION**

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

### **SKIN PROTECTION**

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching the 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:** 0.11 mm

**Break through time:** 480 min

**Material tested:** Dermatril® (KCL 740 / Aldrich Z677272, Size M)

#### **Splash contact**

**Material:** Nitrile rubber

**Minimum Layer Thickness:** 0.11 mm

**Break through time:** 480 min

**Material tested:** Dermatril® (KCL 740 / Aldrich Z677272, Size M)

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.

### **BODY PROTECTION**

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work place, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

### **RESPIRATORY PROTECTION**

Respiratory protection is not required. Where protection from nuisance levels of dust are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

### **CONTROL OF ENVIRONMENTAL EXPOSURE**

Do not let product enter drains.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

### **9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES**

**a) Appearance:** Clear colorless liquid

**b) Odor:** Ethereal

**c) Odor threshold:** No data available

**d) pH:** No data available

**e) Melting point/freezing point**

**f) Initial boiling point and boiling:** 78°C / 172°F

**g) Flash point:** 13° - 16° C / 55° - 61° F

**h) Evaporation rate:** No data available

**i) Flammability (solid, gas):** No data available

- j) **Lower/upper explosive limits:** 3.1% to 23.5% (V)
- k) **Vapor pressure:** No data available
- l) **Vapor density:** No data available
- m) **Relative density:** Not determined
- n) **Water solubility**
- o) **Partition coefficient:** N-octanol/water < 1.0
- p) **Auto-ignition temperature:** No data available
- q) **Decomposition temperature:** No data available
- r) **Viscosity:** No data available
- s) **Explosive properties:** No data available
- t) **Oxidizing properties:** No data available

## **9.2 OTHER SAFETY INFORMATION**

No data available

## **10. STABILITY AND REACTIVITY**

### **10.1 REACTIVITY**

Stable

### **10.2 CHEMICAL STABILITY**

Reacts with strong oxidizers and acids. Stable under recommended storage conditions.

### **10.3 POSSIBILITY OF HAZARDOUS REACTIONS**

No data available

### **10.4 CONDITIONS TO AVOID**

Heat, sparks, open flames, and static discharge

### **10.5 INCOMPATIBLE MATERIALS**

Strong oxidizing agents and strong acids

### **10.6 HAZARDOUS DECOMPOSITION PRODUCTS**

**Other decomposition products:** No data available

**In the event of fire:** see section 5

## **11. TOXICOLOGICAL INFORMATION**

### **11.1 INFORMATION ON TOXICOLOGICAL EFFECTS**

**Toxicity:** No data available

**Skin corrosion/irritation:** No data available

### **SERIOUS EYE DAMAGE/EYE IRRITATION**

**Liquid:** Ethanol

**Result:** Eye irritation

### **RESPIRATORY OR SKIN SENSITIZATION**

**Maximization Test** - Guinea pig

**Result:** Did not cause sensitization on laboratory animals.

### **CARCINOGENIC CATEGORIES**

**IARC (International Agency for Research on Cancer):** No ingredients listed

**NTP (National Toxicology Program):** No ingredients listed

**OSHA-Ca (Occupational Safety & Health Administration):** No ingredients listed

## 12. ECOLOGICAL INFORMATION

### 12.1 TOXICITY

**Toxicity to fish:** No data available

**Persistence and degradability:** No data available

**Other aquatic invertebrates:** No data available

**Toxicity to bacteria:** No data available

### 12.2 PERSISTENCE AND DEGRADABILITY

No data available

### 12.3 BIOACCUMULATIVE POTENTIAL

No data available

### 12.4 MOBILITY IN SOIL

No data available

### 12.5 RESULTS OF PBT AND VPVB ASSESSMENT

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

### 12.6 OTHER ADVERSE EFFECTS

No data available

## 13. DISPOSAL CONSIDERATIONS

### 13.1 WASTE TREATMENT METHODS

**Product:** Offer surplus and non-recyclable solutions to a licensed disposal company.

**Contaminated packaging:** Dispose of as unused product.

## 14. TRANSPORT INFORMATION

	DOT (US)	IMDG	IATA
UN/NA#	1170	1170	1170
PACK GRP	3	3	3
SHIP NAME	Ethanol	Ethanol	Ethanol
PLACARD #	3	3	3
ENV. HAZARD	No	No	No
<b>LAND (as per ADR classification): REGULATED</b>			

## 15. REGULATORY INFORMATION

**SARA 302 Components:** No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313 Components:** This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**SARA 311 / 312 Hazards:** Chronic Health Hazard

**Massachusetts Right To Know Components:** No components are subject to the Massachusetts Right to Know Act.


**Pennsylvania Right To Know Components:** Cerium(IV) oxide CAS-No. 1306-38-3 Revision Date

**New Jersey Right To Know Components:** Cerium(IV) oxide CAS-No.1306-38-3 Revision Date

**California Prop. 65 Components:** This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

## 16. OTHER INFORMATION

LIT-SDS-013

NFPA	HMIS	PPE	Transport Symbol						
	<table border="1" data-bbox="483 205 776 331"><tbody><tr><td>Health Hazard</td><td>1</td></tr><tr><td>Fire Hazard</td><td>3</td></tr><tr><td>Reactivity</td><td>0</td></tr></tbody></table> <p data-bbox="492 373 751 426">Chronic Health Hazard: * Physical Hazard 0</p>	Health Hazard	1	Fire Hazard	3	Reactivity	0		<p data-bbox="1271 226 1425 258">Not Regulated</p>
Health Hazard	1								
Fire Hazard	3								
Reactivity	0								

### FURTHER INFORMATION

User is granted the ability to make unlimited paper copies for internal use only. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. GLENDO, LLC. shall not be held liable for any damage resulting from handling or from contact with the above product.

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