

# GLENDO LLC

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## SAFETY DATA SHEET

### 1. PRODUCT & COMPANY INFORMATION

#### 1.1 PRODUCT IDENTIFIER(S)

**Product Name:** Ceramic Lap

**Stock Number:** 001-671, 002-415, 001-612, 001-612-220, 001-831, 001-831-220, 003-510, 003-557, 003-558, 003-560, 003-572, 003-577, 003-610, 003-611

#### 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

Carcinogenicity (chapter 3.6), Cat. 1

Specific target organ toxicity, repeated exposure (chapter 3.9), Cat. 1

**GHS label elements, including precautionary statements**

**Pictogram**



**Signal word:** Danger

**Hazard statement(s)**

H335 May cause respiratory irritation.

H350i May cause cancer by inhalation.

H372 Causes damage to organs through prolonged or repeated exposure.

**Precautionary statement(s)**

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P260 Do not breathe dust/fume/gas/mist/vapors/spray.

P264 Wash thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P314 Get medical advice/attention if you feel unwell.

## **2. HAZARDS IDENTIFICATION (continued)**

### **Other hazards which do not result in classification**

This product has the potential of generating respirable dust during machining. Dust may contain respirable crystalline silica. Prolonged inhalation of respirable crystalline silica dust may cause lung fibrosis, commonly referred to as silicosis. Principal symptoms of lung fibrosis are cough and breathlessness. Control and monitor occupational exposure to respirable crystalline silica dust in accordance to federal, state and local laws.

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

### **COMPONENTS**

#### **1. Aluminum oxide (Powder or Fiber)**

**Concentration:** 74 -96.7 %

**Other names / synonyms:** Activated Alumina; alpha-Alumina; Alumina; Aluminum oxide; Aluminum oxide (fibrous forms); Aluminum oxide (Powder or Fiber); ALUMINUM OXIDE

**CAS no.:** 1344-28-1

#### **2. Silica, crystalline (airborne particles of respirable size)**

**Concentration:** 0.1 -15 % (Weight)

**Other names/ synonyms:** Quartz; Sand; Silica, crystalline (airborne particles of respirable size); Silicon (IV)oxide

**CAS no.:** 14808-60-7

H335 May cause respiratory irritation

H350i May cause cancer by inhalation

H372 Causes damage to organs through prolonged or repeated exposure

#### **3. Organic Binders**

**Concentration:** 3-10 %

**Other names / synonyms:** Organic Binders

#### **4. Secondary Oxides**

**Concentration:** 0.2 -2.6 %

**Other names / synonyms:** Secondary Oxides

## **4. FIRST AID MEASURES**

### **4.1 Description of necessary first aid measures**

**General advice:** Organic portion may be combustible. Dust may cause irritation to eyes, nose, throat, and/or skin.

**If inhaled:** Move to fresh air and consult with local medical personnel if discomfort persists.

**In case of skin contact:** Wash affected area with soap and water and consult with local medical personnel if irritation persists.

**In case of eye contact:** Flush with tepid water for a minimum of 15 minutes and consult with local medical personnel if discomfort persists.

**If swallowed:** Administer water to dilute, but not if person is unconscious. Consult with local medical personnel if discomfort persists.

## **5. FIREFIGHTING MEASURES**

### **Suitable extinguishing media**

Use any means suitable for extinguishing surrounding fire.

### **Specific hazards arising from the chemical**

Possible Class A fire hazard -combustible vapors can develop in the headspace over the product. Flash point is 220°C (428°F).

## **5. FIREFIGHTING MEASURES (continued)**

### **Special protective actions for fire-fighters**

Use protective clothing and breathing equipment appropriate for the surrounding fire and to protect against the aluminum oxide dust that may be dispersed in the air.

## **6. ACCIDENTAL RELEASE MEASURES**

### **Personal precautions, protective equipment and emergency procedures**

Ventilate area of leak or spill and wear appropriate personal protective equipment as specified. Sweep up any spills and place in containers for disposal or reclaim. Vacuuming or wet sweeping may be used to avoid excessive dust.

### **Methods and materials for containment and cleaning up**

Any dust from machining should be wet mopped or dry vacuumed.

## **7. HANDLING AND STORAGE**

### **7.1 Precautions for safe handling**

Store in a cool dry place. Any dust should be wet mopped.

## **8. EXPOSURE CONTROLS / PERSONAL PROTECTION / CONTROL PARAMETERS**

### **CONTROL PARAMETERS**

#### **1. Alpha-Alumina (CAS: 1344-28-1)**

PEL (Inhalation): see PNOR (Cal/OSHA) OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

#### **2. Alpha-Alumina (CAS: 1344-28-1)**

REL (Inhalation): See Appendix D (NIOSH) OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

#### **3. Alpha-Alumina, Total dust (CAS: 1344-28-1)**

PEL (Inhalation): 15 mg/m<sup>3</sup> (OSHA) OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

#### **4. Alpha-Alumina, Total dust (CAS: 1344-28-1)**

PEL (Inhalation): 10 mg/m<sup>3</sup> (Cal/OSHA) OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

#### **5. Alpha-Alumina, Respirable fraction (CAS: 1344-28-1)**

PEL (Inhalation): 5 mg/m<sup>3</sup> (OSHA) OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

#### **6. Alpha-Alumina, Respirable fraction (CAS: 1344-28-1)**

PEL (Inhalation): 5 mg/m<sup>3</sup> (Cal/OSHA) OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

#### **7. Silica, crystalline quartz, respirable dust (CAS: 14808-60-7)**

PEL (Inhalation): See Annotated Z-3 ppm (OSHA) OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

#### **8. Silica, crystalline quartz, respirable dust (CAS: 14808-60-7)**

PEL (Inhalation): See Annotated Z-3 mg/m<sup>3</sup> (OSHA) OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

#### **9. Silica, crystalline quartz, respirable dust (CAS: 14808-60-7)**

PEL (Inhalation): See Annotated Z-3 (Cal/OSHA) OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

#### **10. Silica, crystalline quartz, respirable dust (CAS: 14808-60-7)**

REL (Inhalation): See Annotated Z-3 (NIOSH) OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

### **APPROPRIATE ENGINEERING CONTROLS**

Local or general exhaust ventilation recommended.

### **INDIVIDUAL PROTECTION MEASURES, SUCH AS PERSONAL PROTECTIVE EQUIPMENT (PPE)**

#### **Eye/face protection**

Safety goggles in the presence of airborne dust.

## **8. EXPOSURE CONTROLS / PERSONAL PROTECTION / CONTROL PARAMETERS (continued)**

### **Skin protection**

Polymer gloves for prolonged dust exposure.

### **Respiratory protection**

NIOSH/MSHA approved respirator for dust when exposure limit is exceeded.

### **Thermal hazards**

CO and CO<sub>2</sub> in a fire and at temperatures >2202C (4282F).

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

### **9.1 Information on basic physical and chemical properties**

**Appearance/form:** White or Colored Flowable Powder

**Odor:** Odorless

**Odor threshold:** N/A

**pH:** N/A

**Melting point:** N/A

**Initial boiling point and boiling range:** N/A

**Flash point:** N/A

**Evaporation rate:** N/A

**Flammability (solid, gas):** N/A

**Upper/lower flammability limits:** N/A

**Upper/lower explosive limits:** N/A

**Vapor pressure:** N/A

**Vapor density:** N/A

**Relative density:** 0.8 g/cc

**Solubility(ies):** Organic Portion Soluble in Water

**Partition coefficient: n-octanol/water:** N/A

**Auto-ignition temperature:** N/A

**Decomposition temperature:** N/A

**Viscosity:** N/A

**Explosive properties:** N/A

**Oxidizing properties:** N/A

## **10. STABILITY AND REACTIVITY**

### **10.2 Chemical stability**

Stable

### **10.6 Hazardous decomposition products**

CO and CO<sub>2</sub> in a fire and at temperatures >220°C (428°F).

## **11. TOXICOLOGICAL INFORMATION**

### **INFORMATION ON TOXICOLOGICAL EFFECTS**

**Respiratory or skin sensitization:** See Section 2.

**Carcinogenicity:** See Section 2

## **11. TOXICOLOGICAL INFORMATION (continued)**

**STOT-repeated exposure:** See Section 2

## **12. ECOLOGICAL INFORMATION**

No Applicable Information Found

## **13. DISPOSAL CONSIDERATIONS**

**Disposal of the product:** This material is not hazardous per 40 CFR 261. Consultation with federal, state and local officials is recommended before disposal.

## **14. TRANSPORT INFORMATION**

**DOT (US):** Not dangerous goods

**IMDG:** Not dangerous goods

**IATA:** Not dangerous goods

## **15. REGULATORY INFORMATION**

### **US FEDERAL**

#### **TSCA**

CAS# 1344-28-1 is listed on the TSCA inventory.

CAS# 14808-60-7 is listed on the TSCA inventory.

#### **SARA Section 302 Extremely Hazardous Substances**

None of the chemicals in this product have a TPQ.

#### **Section 313**

CAS# 1344-28-1 is reported under Section 313.

**OSHA:** None of the chemicals in this product are considered highly hazardous by OSHA.

### **US STATE**

**CAS# 1344-28-1** can be found on the following state right to know lists: Illinois, Minnesota, Massachusetts, New Jersey, Pennsylvania, Texas.

**CAS# 14808-60-7** can be found on the following state right to know lists: Massachusetts, Pennsylvania, Texas. Consult your state and local resources for further information.

#### **California Prop 65**

Crystalline Silica (airborne particles of respirable size) is classified as a substance known to the state of California to be a carcinogen.

## **16. OTHER INFORMATION**

### **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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