# **Section 1. Product and Company Identification**

Product Name: Endura Hard

**Product use:** Protection and densification of concrete/stone/masonry.

Effective date: 24 October, 2022 Replaces: 10 July 2019

#### **Manufacturer Information:**

Global Polishing Systems 6074 W I-30 BLDG 6062 Royse City, TX 75189

**USA Emergency Phone Number:** 

#### Section 2. Hazard Identification



# **GHS Pictograms:**

**GHS Signal Word: WARNING** 

This product is alkaline. Avoid contact with eyes and skin. Keep out of reach of children.

The product may be harmful if it is inhaled or swallowed.

# POTENTIAL HEALTH EFFECTS: CODE OF HAZARD STATEMENTS:

## Physical hazards

None.

#### **Health Hazards**

H303-May be harmful if swallowed.

H313-May be harmful in contact with skin.

H320-Causes eye irritation.

#### **Environmental hazards**

None.

# **CODE OF PRECAUTIONARY STATEMENTS:**

#### General

P101-Keep out of reach of children.

P103-Read label before use.

#### **Prevention statements**

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

P262-Do not get in eyes, on skin or on clothing.

P264-Wash thoroughly after handling using this product.

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

#### **Response statements**

P312-Call a POISON CENTER or doctor/physician if you feel unwell.

P331-DO NOT induce vomiting.

P340, Remove the victim to fresh air and keep at rest in a position comfortable for breathing.

P352, Wash with plenty of soap and water.

P362, Take off contaminated clothing and wash before reuse.

# Storage

P403-Store in well-ventilated place.

P404-Store in a closed container.

**ROUTES OF ENTRY:** Eye contact, skin adsorption, ingestion and inhalation.

**CARCINOGENICITY:** None know at this time.

# Section 3. Ingredients and Hazards Identification

Components	CAS#	EINECS #	% by	REACH
			weight	Reg. #
Amorphous silica	7631-86-9		10-15	Yes
Lithium compound	10102-24-6		< 5	Yes
Prop.			< 0.5	
Water	7732-18-5	231-791-2	Balance	No

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret

## **Section 4. First Aid Measures**

Eye Contact: Flush eyes with water immediately while holding eyelids open. Remove contacts, if worn, after initial flushing and continue flushing for at least 15 minutes. Seek medical attention if irritation persists.

Skin Contact: Use soap and water to remove from the skin, remove contaminated clothing, clean thoroughly before reuse.

Inhalation: Move to fresh air. If not breathing, give rescue breathing. If breathing is difficult, give oxygen.

Seek medical attention if breathing is still difficult.

Ingestion: If swallowed, get medical attention immediately. DO NOT INDUCE VOMITING. Never give anything by mouth to an unconscious person.

# **Section 5. Fire Fighting Measures**

Flash Point: Not flammable Flammability Limits: NE

Fire Fighting Media: Dry chemical, carbon dioxide, and water spray.

Special Fire Fighting Procedures: First responders need to wear full-bunker gear with SCBA, never enter a confined space unless fully protected with proper personal protective equipment (PPE). Material is alkaline and may cause the floor to be slippery.

#### Section 6. Accidental Release Measures

Clean-up Procedures: Material is alkaline wear proper PPE. Stop the source of the release if you are not put at risk. Use absorbent material (such as sand or kitty litter) to absorb the spill, use plastic shovel to pick up absorbent for disposal.

Spills and Leaks: Dispose in accordance to local, state or federal regulations.

# **Section 7. Handling and Storage**

Handling: Do not get into eyes. Do not taste or swallow. Wash thoroughly after handling.

Storage: Store in original labeled container. Keep in cool and dry areas. Do not exceed 60 °C (140 °F).

## **Section 8. Exposure Control/Personal Protection**

Introductory Remarks: Consider the potential hazards of this product outlined in section 3. Use process exposures such as local exhaust ventilation, to control over exposure to airborne levels above recommended exposure limits. Personal Protection:

Eyes: Wear safety goggles or safety glasses to prevent eye contact.

Body: Long sleeve shirts, long pants, socks, rubber boots and chemical resistant gloves.

Hands: Chemical resistant gloves

Respiratory: Wear an approved respirator (NIOSH TC-84A rated or EN 14387) that provides protection from this product if the airborne concentrations exceed the recommended exposure limits. Other: None

# Section 9. Physical and Chemical Properties

Odor/Color	Clear / slight odor	Vapor Pressure	< 2.2 torr @ 68 °F (20 °C)
pН	10-11	Density(lbs/gal)	8.6-8.7 @ 68°F (20 °C)
Specific gravity Water, 1	<1	<b>Boiling Point</b>	212 °F (100 °C)
VOC content	<50g/L	Solubility	> 95 % in water
Freezing point	0 °C (32 °F)	Vapor density(air=1)	>1

# Section 10. Stability and Reactivity

Chemical Stability: Considered stable under normal ambient temperatures.

**Hazardous Decomposition:** If complete combustion, oxides of silicates are formed.

Hazardous Polymerization: Will not occur

Incompatibility~ Materials to Avoid: May react with strong oxidizing agents and strong acids.

# **Section 11. Toxicological Information**

Oral LD<sub>50(rat)</sub>  $\Rightarrow$  2,000 mg/L

Dermal LKD<sub>50(Rabbit)</sub> =>2,000 mg/L **Acute Eye Irritation:** Irritating.

**Acute Skin Irritation:** Chronic exposure may be irritating. **Acute Dermal Toxicity:** Not expected to be toxic through the skin.

Acute Inhalation Toxicity: Not determined, expected to be an irritant to the respiratory system.

Carcinogenic Effects: None

Existing Medical Conditions Aggravated by Exposure: Exposure to eyes and skin may cause irritation to pre-

existing conditions.

## **Section 12. Ecological Information**

Ecotoxicity: Unknown.

**Environmental Fate:** This product should be expected to be readily biodegradable.

# **Section 13. Disposal Considerations**

**Waste Disposal Method:** Whatever cannot be saved for recovery or recycling should be managed by the local, state or Federal Regulations.

**Container Handling and Disposal:** All containers should be triple rinsed and disposed of according to local, state and Federal regulations.

# **Section 14. Transport Information**

**Ground Classification:** Not regulated by US DOT

Shipping Name: Colloidal Densifier Not regulated by USDOT, IATA or IMO

## **Section 15. Regulatory Information**

EPCRA 311/312 Categories:

Immediate (Acute) Health Effects

Delayed (Chronic) Health Effects

Fire Hazard

No
Sudden Release of Pressure

No
Reactivity

No

Right to know classification: All ingredients are listed in PA and NJ

TSCA: All ingredients listed or exempt from listing

Reportable Quantity (RQ): None

Prop. 65: None

All ingredients are listed as chemical inventories of ACIS, DSL, ECL, EEC, ENCS, EU, Israel, MAC, MAK, MITI, NDSL, PICCS, SWISS, Taiwan, USA and UK

## **Section 16. Other Information**

#### **Hazardous Material Information (HMIS)**

#### **National Fire Protection Association (NFPA)**

Health	1	1	Health
Fire	0	0	Fire
Reactivity	0	0	Instability
Personal Protection	С		NA

Health 4 Deadly 3 Extreme Danger 2 Dangerous 1 Slight hazard 0 No hazard

4 < 73 °C 3 < 100 °C 2 < 200 °C 1 > 200 °C 0 Will not burn Fire

Reactivity/Instability 4 – May detonate 3 - Explosive 2 Unstable 1 - Normally stable 0 - Stable

#### **ABBREVIATIONS**

CAS # Chemical Abstract Service Number

٥F  $^{\circ}$ C Celsius Temperature Scale Fahrenheit Temperature Scale

EINECS # European Inventory of Existing Chemical Substances Number

Lethal Dose Oral or Dermal hPa hectopascal  $LD_{50}$ Lethal Concentration LEL Lower Explosive Limit  $LC_{50}$ Upper Explosive Limit Personal Protective Equipment **UEL** PEL Permissible Exposure Limit

**PPE** Proprietary Prop. PSI Pounds Per Square Inch ΝA Not Applicable

ND Not Determined **STEL** Short Term Exposure Limit TLV Threshold Limit Value Toxic Substance Control Act TSCA

TWA Time Weighted Average

Approved:31 October 2022

Prepared by: Dennis E. Belau Reviewed by: Aaron Barrus

#### Disclaimer:

The information is furnished without warranty, representation, inducement, or license of any kind, except that it is accurate to the best of Global Polishing's (company) knowledge. Because use conditions and applicable laws may differ from one location to another and may change with time, Recipient is responsible for determining whether the information is appropriate for recipient's use. Since company has no control over how this information may be ultimately used, all liability is expressly disclaimed and company assumes no liability.