



## POLARIS Hardwood Floor Refresher

### SECTION 1 – IDENTIFICATION

**Product Name:** POLARIS HARDWOOD FLOOR REFRESHER AND GLOSS RESTORER  
**Product Use:** Wood Floor Gloss Restorer/**FOR INDUSTRIAL USE ONLY**  
**Revision Date:** 7/19/2023  
**Product Code:** 0226  
**CAS#:** N/A, Mixture

**Distributed by:**  
Shur-Az  
871 High Street  
Central Falls, RI 02863  
401-723-0116

**POISON CONTROL NUMBER** 1-800-222-1222

### SECTION 2 - HAZARDOUS IDENTIFICATION

**Physical State** Liquid

**Classification**



Skin corrosion/irritation	Category 2
Eye damage/irritation	Category 2B
Aquatic Toxicity, Acute	Category 2
Specific Target Organ Toxicity, SE	Category 3

#### **Hazards Not Otherwise Classified (HNOC)**

None

**Signal Word** Warning

#### **Hazard Statements**

Causes serious eye irritation

Causes skin irritation

May cause respiratory irritation Toxic to aquatic life

#### **Precautionary Statements – Prevention**

Wear protective gloves/protective clothing/eye protection/face protection. Wash face, hands and any exposed skin thoroughly after handling. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid release to the environment.

#### **Precautionary Statements – Response**

**IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye

irritation persists: Get medical advice/attention.

**IF ON SKIN:** Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.

**IF INHALED:** Remove to fresh air and keep at rest in a position comfortable for breathing.

**Call a POISON CENTER or doctor/physician if you feel unwell. Avoid release to the environment.**

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Other Hazards**

Toxic to aquatic life

**SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS No	Weight-%
Urethane Polymer	Proprietary	30-35
Acrylic Polymer	Proprietary	25-30
Diethylene Glycol Monoethyl Ether	111-90-0	5-10
Tributoxyethyl Phosphate	78-51-3	1-5
Triethylamine	121-44-8	1-5
Polyethylene Emulsion	Proprietary	1-5
Polypropylene Emulsion	Proprietary	1-5

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

**SECTION 4 - FIRST-AID MEASURES**

**First Aid Measures**

**Eye Contact** Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

**Skin Contact** Wash with soap and water. Take off contaminated clothing. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention.

**Inhalation** Remove to fresh air.

**Ingestion** Clean mouth with water and drink afterwards plenty of water.

**Most important symptoms and effects**

**Symptoms** Contact may cause irritation and redness.

**Indication of any immediate medical attention and special treatment needed**

**Notes to Physician** Treat symptomatically.

**SECTION 5 - FIRE-FIGHTING MEASURES**

**Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media: Not determined.

**Specific Hazards Arising from the Chemical**

Non-flammable solution.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**SECTION 6 – ACCIDENTAL RELEASE MEASURES**

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

<b>Personal Precautions</b>	Use personal protective equipment as required.
<b><u>Methods and material for containment and cleaning up</u></b>	
<b>Methods for Containment</b>	Prevent further leakage or spillage if safe to do so.
<b>Methods for Clean-Up</b>	Keep in suitable, closed containers for disposal.

**SECTION 7 - HANDLING AND STORAGE**

**Precautions for safe handling**

**Advice on Safe Handling** Use personal protection recommended in Section 8. Wash thoroughly after handling.  
**Contaminated work clothing should not be allowed out of the workplace. Avoid breathing vapors or mists.**

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.  
**Incompatible Materials** None known based on information supplied.

**SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Guidelines**

Exposure limits noted for ingredient(s)

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Diethylene Glycol Monoethyl Ether 111-90-0	TWA: 25 ppm	-	-
Triethylamine 121-44-8	TWA: 1 ppm	PEL: 25 ppm	-

**Appropriate engineering controls**

**Engineering Controls** Apply technical measures to comply with the occupational exposure limits.

**Individual protection measures, such as personal protective equipment**

**Eye/Face Protection** Avoid contact with eyes.

**Skin and Body Protection** Wear suitable protective clothing.

**Respiratory Protection** Ensure adequate ventilation, especially in confined areas.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

<b>Physical State</b>	Liquid	<b>Odor</b>	Not determined
<b>Appearance</b>	Off White Emulsion	<b>Odor Threshold</b>	Not determined
<b>Color</b>	Off White		

<b><u>Property</u></b>	<b><u>Values</u></b>	<b><u>Remarks • Method</u></b>
<b>pH</b>	8.0 – 8.5	
<b>Melting Point/Freezing Point</b>	Approx 32 F	
<b>Boiling Point/Boiling Range</b>	Approx 212 F	
<b>Flash Point</b>	Not determined	
<b>Evaporation Rate</b>	Not determined	
<b>Flammability (Solid, Gas)</b>	n/a-liquid	
<b>Upper Flammability Limits</b>	Not determined	
<b>Lower Flammability Limit</b>	Not determined	

Vapor Pressure	Not determined
Vapor Density	Not determined
Specific Gravity	8.69 lbs/gal
Water Solubility	Not determined
Solubility in other solvents	Not determined
Partition Coefficient	Not determined
Auto-ignition Temperature	Not determined
Decomposition Temperature	Not determined
Kinematic Viscosity Dynamic	Not determined
Viscosity Explosive Properties	< 120 cps
Oxidizing Properties	Not determined
	Not determined

## SECTION 10 – STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions.

### Chemical Stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

None under normal processing.

### Conditions to Avoid

Keep out of reach of children.

### Incompatible Materials

None known based on information supplied.

### Hazardous Decomposition Products

None known based on information supplied.

## SECTION 11 - TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

Eye Contact	Avoid contact with eyes.
Skin Contact	May cause an allergic skin reaction. Causes skin irritation. May be harmful in contact with skin.
Inhalation	Avoid breathing vapors or mists.
Ingestion	Do not taste or swallow.

### Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Tributoxyethyl phosphate 78-51-3	= 3000 mg/kg ( Rat )	> 5000 mg/kg ( Rabbit )	> 6.4 mg/L ( Rat ) 4 h
Triethylamine 121-44-8	365 mg/kg (Rat)	416 mg/kg (Rabbit)	= 4.2 mg/L (Rat) 1 h

### Information on physical, chemical and toxicological effects

**Symptoms:** Please see section 4 of this SDS for symptoms.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Carcinogenicity** Not classifiable as a human carcinogen. This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

### Numerical measures of toxicity

Calculated ATE (Oral) of this mixture is > 9800 mg/Kg

**SECTION 12 - ECOLOGICAL INFORMATION**

**Ecotoxicity**

Toxic to aquatic life

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Tributoxyethyl phosphate 78-51-3		10.4 - 12.0: 96 h Pimephales promelas mg/L LC50 flow-through		
Diethylene Glycol Monoethyl Ether 111-90-0		11400 - 15700: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 11600 - 16700: 96 h Pimephales promelas mg/L LC50 flow-through 10000: 96 h Lepomis macrochirus mg/L LC50 static 19100 - 23900: 96 h Lepomis macrochirus mg/L LC50 flow-through 13400: 96 h Salmo gairdneri mg/L LC50 flow-through		3940 - 4670: 48 h Daphnia magna mg/L EC50

**Persistence/Degradability**

Not determined.

**Bioaccumulation**

Not determined.

**Mobility**

Not determined

**Other Adverse Effects**

Not determined

**SECTION 13 - DISPOSAL CONSIDERATIONS**

**Waste Treatment Methods**

**Disposal of Wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**SECTION 14 - TRANSPORT INFORMATION**

**Note**

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

**DOT**

Not regulated

**SECTION 15 - REGULATORY INFORMATION**

**International Inventories**

Not determined

**US Federal Regulations**

**SARA 313**

This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372).

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %
Diethylene Glycol Monoethyl Ether	111-90-0	1-5	1.0
Triethylamine	121-44-8	1-5	1.0

**US State Regulations****U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Di(ethylene glycol) ethyl ether	X		X
Triethylamine	X	X	X

**SECTION 16 - OTHER INFORMATION**

**Issue Date:** March 9, 2022

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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