



# SAFETY DATA SHEET

Phosphoric Acid Cleaner

Prepared to U.S. OSHA, CMA, ANSI, Canadian WHMIS Standards, and European Directives

## SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

**1.1 Trade Name (as labeled):** Phosphoric Acid Cleaner  
IDH #: 350  
Synonyms: N/A  
CAS No: Mixture

**1.2 Product Use:** Cleaner

**1.3 Company Name:** Glaze 'N Seal Products Inc.  
Company Address: 18207 E. McDermott Street Suite C  
Company Address Cont: Irvine, CA 92614-6711  
Business Phone: (800) 486-1414  
Website: <http://glaze-n-seal.com>

**1.4 Emergency Telephone Number:** (800) 424-9300  
Date of Current Revision: October 11, 2018  
Date of Last Revision: January 25, 2016

## SECTION 2 - HAZARD IDENTIFICATION

**EMERGENCY OVERVIEW:** This product a clear liquid with an acidic odor.

**Health Hazards:** Corrosive, may cause skin burns and eye damage. May be harmful is swallowed or inhaled.

**Flammability Hazards:** This product is a non-flammable liquid.

**Reactivity Hazards:** None.

**Environmental Hazards:** The environmental effects of this product have not been investigated, however release may cause adverse environmental effects.

US DOT Symbols:



EU and GHS Symbols:



Signal Word:

Danger!

### 2.1 GHS Labeling and Classification:

CLASSIFICATION OF SUBSTANCE OR MIXTURE IN ACCORDANCE WITH 29 CFR 1200 (OSHA HCS) AND THE EUROPEAN UNION DIRECTIVES:

This product meets the definition of a hazardous substance or preparation as defined by the European Union Council Directives 67/548/EEC, 1999/45/EC, 1272/2008/EC and subsequent Directives.

#### EU HAZARD CLASSIFICATION OF INGREDIENTS PER DIRECTIVE 1272/2008/EC:

**Index Number:**

EC# 231-633-2 Annex VI # is 015-011-00-6

EC# 613-933-9, 500-221-7 This substance is not classified in the Annex VI

Substances not listed either individually or in group entries must be self-classified.

**Components Contributing to Classification:** Phosphoric Acid, Ethoxylated Alcohol Mixture

**2.2 Label Elements:**

**GHS Hazard Classifications:**

Skin Corrosion Category 1  
 Eye Damage Category 1  
 Acute Toxicity Category 4 (Oral)  
 Aquatic Acute Category 3  
 Aquatic Chronic Category 3

**Hazard Statements:**

H314 Causes severe skin burns and eye damage  
 H318 Causes serious eye damage  
 H302 Harmful if swallowed  
 H402 Harmful to aquatic life

**Prevention Statements:**

H412 Harmful to aquatic life with long lasting effects  
 P264 Wash thoroughly after handling.  
 P260 Do not breath dust/fume/gas/mists/vapours/spray.  
 P270 Do not eat, drink or smoke when using this product.  
 P271 Use only outdoors or in a well-ventilated area.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.

**Response Statements:**

P273 Avoid release to the environment.  
 P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
 P301+P312 IF SWALLOWED: Call a POISON/doctor if you feel unwell.  
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.  
 P363 Wash contaminated clothing before reuse.  
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 P310 Immediately call a POISON Center/doctor.  
 P321 Specific treatment (see section 4 on this SDS).  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Storage Statements:**

P405 Store locked up.

**Disposal Statements:**

P391 Collect spillage.  
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**2.3 Health Hazards or Risks From Exposure:**

**Symptoms of Overexposure by Route of Exposure:**

The most significant routes of overexposure for this product are by contact with skin or eyes. The symptoms of overexposure are described in the following paragraphs.

**Acute:**

- Inhalation: May be harmful if inhaled.
- Skin Contact: Corrosive, may cause skin burns.
- Eye Contact: Corrosive, may cause damage to the eyes.
- Ingestion: May be harmful if swallowed.

**Chronic:** Repeated exposure may cause skin dryness or cracking.

**Target Organs:**

- Acute: Eyes, Skin
- Chronic: Skin

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

| Hazardous Ingredients:  | WT%    | CAS No.                   | EINECS No.              | Hazard Classification   |
|---|--------|---------------------------|-------------------------|---|
| Phosphoric Acid   | 10-30% | 7664-38-2                 | 231-663-2               | Skin Corr Cat 1B  |
| Ethoxylated Alcohol Mixture   | 1-5%   | 66455-15-0,<br>68551-12-2 | 613-933-9,<br>500-221-7 | Acute Tox Cat 4 (Oral), Skin Irrit Cat 2, Eye Dam Cat 1,<br>Aquatic Chronic Cat 2 |
| Balance of other ingredients are non-hazardous or less than 1% in concentration (or 0.1% for carcinogens, reproductive toxins, or respiratory sensitizers). Actual concentrations withheld as trade secret. |        |                           |                         |   |

**SECTION 4 - FIRST AID MEASURES**

**4.1 Description of First Aid Measures:**

**Eye Contact:**

If product enters the eyes, flush with plenty of water or eye wash solution for several minutes. Remove contacts if present and easy to do. Seek medical attention if irritation persists.

**Skin Contact:**

Wash skin thoroughly with soap and water after handling. Seek medical attention if irritation develops and persists.

**Inhalation:**

If breathing becomes difficult, remove victim to fresh air. If necessary, use artificial respiration to support vital functions. Seek medical attention.

**Ingestion:**

If product is swallowed, call physician or poison center immediately. If professional advice is not available, do not induce vomiting. Never induce vomiting or give diluents (milk or water) to someone who is unconscious, having convulsions, or who cannot swallow. Seek medical advice. Take a copy of the label and/or SDS with the victim to the health professional.

**Medical Conditions Generally Aggravated by Exposure:**

Pre-existing skin or eye problems may be aggravated by prolonged contact.

**4.2 Symptoms and Effects Both Acute and Delayed:**

Exposure to skin and eyes may cause burns.

**4.3 Recommendations to Physicians:**

Treat symptoms and eliminate overexposure.

**SECTION 5 - FIRE FIGHTING MEASURES**

**5.1 Fire Extinguishing Materials:**

Use the following fire extinguishing materials:

**Water Spray:** Yes    **Carbon Dioxide:** Yes  
**Foam:** Yes            **Dry Chemical:** Yes  
**Halon:** Yes            **Other:** Any "C" Class

**5.2 Unusual Fire and Explosion Hazards:**

Irritating and toxic fumes may be produced at high temperatures.

Explosive Sensitivity to Mechanical Impact: No

Explosive Sensitivity to Static Discharge: No

- Incipient fire responders should wear eye protection.
- Structural firefighters must wear Self-Contained Breathing Apparatus (SCBA) and full protective equipment.
- Isolate materials not yet involved in the fire and protect personnel. Move containers from fire area if this can be done without risk; otherwise, cool with carefully applied water spray.
- If possible, prevent run-off water from entering storm drains, bodies of water, or other environmentally sensitive areas.

**5.3 Special Fire-Fighting Procedures:**

| NFPA RATING SYSTEM   |             | HMIS RATING SYSTEM                       |                                  |   |  |
|--|-------------|--|----------------------------------|---|--|
| Flammability   |             | HAZARDOUS MATERIAL IDENTIFICATION SYSTEM |                                  |   |  |
| Health   |             | Reactivity                               | <b>HEALTH HAZARD (BLUE)</b>      | 3 |  |
|  | Other       |  | <b>FLAMMABILITY HAZARD (RED)</b> | 0 |  |
|  |             |  | <b>PHYSICAL HAZARD (YELLOW)</b>  | 0 |  |
| PROTECTIVE EQUIPMENT   |             |  |                                  |   |  |
| EYES   | RESPIRATORY | HANDS                                    | BODY                             |   |  |
|  | See Sect 8  |  | See Sect 8                       |   |  |
| For Routine Industrial Use and Handling Applications   |             |  |                                  |   |  |
| <b>Hazard Scale: 0 = Minimum 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic Hazard</b> |             |  |                                  |   |  |

**SECTION 6 - ACCIDENTAL RELEASE MEASURES (STEPS FOR SPILLS)****6.1 Personal Precautions, Protective Equipment and Emergency Procedures:**

Use cautious judgment when cleaning up spill. Wear suitable protective clothing, gloves, and eye/face protection.

**6.2 Environmental Precautions:**

Construct a dike to prevent spreading. Keep out of sewers, storm drains, surface waters, and soils.

**6.3 Spill and Leak Response:****Small Spills:**

- Collect material via broom or mop. Place in tightly sealed containers for proper disposal.
- Approach spill areas with caution.
- If liquid was introduced, create a dike or trench to contain material. Soak up with absorbent material such as clay, sand or other suitable non-reactive material.

**Large Spills:**

- Place in leak-proof containers. Seal tightly for proper disposal.
- Dispose of in accordance with U.S. Federal, State, and local hazardous waste disposal regulations and those of Canada and its Provinces, those of Australia, Japan and EU Member States (see Section 13, Disposal Considerations).

**SECTION 7 - HANDLING AND STORAGE****7.1 Precautions for Safe Handling:**

To prevent eye contact under the foreseeable conditions of use, wear appropriate safety eyewear. When handling, do not eat, drink, or smoke. Wash thoroughly after handling.

**7.2 Storage and Handling Practices:**

Keep cool, in a well ventilated area, and away from ignition sources.

**7.3 Specific Uses:**

See Section 1.2.

**SECTION 8 - EXPOSURE CONTROL/PERSONAL PROTECTION****8.1 Exposure Parameters:**

| <b>Ingredients</b>          | <b>CAS No.</b>         | <b>ACGIH TLV</b>  | <b>OSHA PEL</b>           | <b>NIOSH PEL</b>  |
|-----------------------------|------------------------|---|---------------------------|---|
| Phosphoric Acid             | 7664-38-2              | 1 mg/m <sup>3</sup> (TWA)<br>3 mg/m <sup>3</sup> (STEL) | 1 mg/m <sup>3</sup> (TWA) | 1 mg/m <sup>3</sup> (TWA)<br>3 mg/m <sup>3</sup> (STEL) |
| Ethoxylated Alcohol Mixture | 66455-15-0, 68551-12-2 | Not Listed  | Not Listed                | Not Listed  |

**8.2 Exposure Controls:****Ventilation and Engineering Controls:**

Use with adequate ventilation to ensure exposure levels are maintained below the limits provided above.

*The following information on appropriate Personal Protective Equipment is provided to assist employers in complying with OSHA regulations found in 29 CFR Subpart I (beginning at 1910.132), or standards of EU member states (including EN 149 for respiratory PPE, and EN 166 for face/eye protection), and those of Japan. Please reference applicable regulations and standards for relevant details.*

**Respiratory Protection:**

Not required for properly ventilated areas.  
Maintain airborne contaminant concentrations below guidelines listed above, if applicable. If necessary, use only respiratory protection authorized in the U.S. Federal OSHA Respiratory Protection Standard (29 CFR 1910.134), equivalent U.S. State standards, Canadian CSA Standard Z94.4-93, the European Standard EN149, or EU member states.

**Eye Protection:**

Safety glasses or goggles are required.  
If necessary, refer to U.S. OSHA 29 CFR 1910.133, Canadian Standards, and the European Standard EN166, Australian Standards, or relevant Japanese Standards.

**Hand Protection:**

Chemical resistant gloves are required to prevent skin contact.  
If necessary, refer to U.S. OSHA 29 CFR 1910.138, the European Standard DIN EN 374, the appropriate Standards of Canada, Australian Standards, or relevant Japanese Standards.

**Body Protection:**

Use body protect appropriate to task being performed. If necessary, refer to appropriate Standards of Canada, or appropriate Standards of the EU, Australian Standards, or relevant Japanese Standards. If a hazard of injury to the feet exists due to falling objects, rolling objects, where objects may pierce the soles of the feet or where employee's feet may be exposed to electrical hazards, use foot protection, as described in U.S. OSHA 29 CFR 1910.136.

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES****9.1 Information on Basic Physical and Chemical Properties:**

**Appearance (Physical State and Color):** Clear liquid

**Odor:** Acidic odor

**Odor Threshold:** No data available

**pH:** 2

**Melting/Freezing Point:** No data available

**Boiling Point:** No data available

**Flash Point:** No data available

**Evaporation Rate:** No data available

**Flammability (Solid; Gas):** Not applicable

**Upper/Lower Flammability or Explosion Limits:** No data available

**Vapor Pressure (mm Hg @ 20°C (68° F):** No data available

**Vapor Density:** No data available

**Relative Density:** No data available

**Specific Gravity:** 0.91

**Solubility in Water:** Soluble

**Weight per Gallon:** No data available

**Partition Coefficient (n-octanol/water):** No data available

**Auto-Ignition Temperature:** No data available

**Decomposition Temperature:** No data available

**Viscosity:** No data available

**VOC:** No data available

**9.2 Other Information:**

No data available

**SECTION 10 - STABILITY AND REACTIVITY****10.1 Reactivity:**

This product is not reactive.

**10.2 Stability:**

Stable under conditions of normal storage and use.

**10.3 Possibility of Hazardous Reactions:**

Will not occur.

**10.4 Conditions to Avoid:**

Contact with ignition sources.

**10.5 Incompatible Substances:**

Strong caustics, powdered metals. Do not mix with solutions containing bleach or ammonia.

**10.6 Hazardous Decomposition Products:**

Acids.

**SECTION 11 - TOXICOLOGICAL INFORMATION****11.1 Information on Toxicological Effects:****Toxicity Data:**

No Specific data available for this product.

**Suspected Cancer Agent:**

Ingredients within this product are not found on one or more of the following lists: FEDERAL OSHA Z LIST, NTP, IARC, or CAL/OSHA and therefore are not considered to be cancer-causing agents by these agencies.

**Irritancy:**

Skin, eye, respiratory irritant.

**Sensitization to the Product:**

This product is not expected to be a skin sensitization.

**Germ Cell Mutagenicity:**

This product does not contain ingredients that are suspected to be a germ cell mutagenic.

|  |  |
|--|--|
| <b>Reproductive Toxicity:</b>                              | This product does contain ingredients that are expected to be a human reproductive toxicant. |
| <b>Specific Target Organ Toxicity – Single Exposure:</b>   | Skin and eye burns.  |
| <b>Specific Target Organ Toxicity – Repeated Exposure:</b> | No data available.   |
| <b>Aspiration Hazard:</b>                                  | Not expected to be an aspiration hazard.   |

## **SECTION 12 - ECOLOGICAL INFORMATION**

|  |   |
|--|---|
| <b><u>12.1 Toxicity</u></b>                            | No specific data available on this product.                             |
| <b><u>12.2 Persistence and Degradability:</u></b>      | No specific data available on this product.                             |
| <b><u>12.3 Bioaccumulative Potential:</u></b>          | No specific data available on this product.                             |
| <b><u>12.4 Mobility in Soil:</u></b>                   | No specific data available on this product.                             |
| <b><u>12.5 Results of PBT and vPvB Assessment:</u></b> | No specific data available on this product.                             |
| <b><u>12.6 Other Adverse Effects:</u></b>              | No data available   |
| <b><u>12.7 Water Endangerment Class:</u></b>           | At present, there are no ecotoxicological assessments for this product. |

## **SECTION 13 - DISPOSAL CONSIDERATIONS**

|                                      |   |
|--------------------------------------|---|
| <b>13.1 Waste Treatment Methods:</b> | Waste disposal must be in accordance with appropriate U.S. Federal, State, and local regulations, those of Australia, EU Member States and Japan. |
| <b>13.2 EU Waste Code:</b>           | Not determined  |

## **SECTION 14 - TRANSPORTATION INFORMATION**

### **14.1 U.S. Department of Transportation (DOT) Shipping Regulations:**

*This product is classified (per 49 CFR 172.101) by the U.S. Department of Transportation, as follows.*

|  |                          |
|--|--------------------------|
| <b>UN Identification Number:</b>                           | UN1805                   |
| <b>Proper Shipping Name:</b>                               | Phosphoric acid solution |
| <b>Hazard Class Number and Description:</b>                | Class 8 – Corrosive      |
| <b>Packing Group:</b>                                      | III                      |
| <b>DOT Label(s) Required:</b>                              | Corrosive                |
| <b>North American Emergency Response Guidebook Number:</b> | 154                      |

**Note:**

This product meets the limited quantity exemption when packaged in containers less than 5 Liters. Consumer Commodity, ORM-D.

### **14.2 Environmental Hazards:**

**Marine Pollutant:**

The components of this product are not designated by the Department of Transportation to be Marine Pollutants (49 CFR 172.101, Appendix B).

### **14.3 Special Precaution for User:**

None

### **14.4 International Air Transport Association Shipping Information (IATA):**

This product is considered as dangerous goods.

### **14.5 International Maritime Organization Shipping Information (IMO):**

This product is considered as dangerous goods.

## **SECTION 15 - REGULATORY INFORMATION**

### **15.1 Safety, Health and Environmental Regulations Specific for the Substance or Mixture:**

**United States Regulations:**

**U.S. SARA Reporting Requirements:**

The components of this product are not subject to the reporting requirements of Sections 302, 304, and 313 of Title III of the Superfund Amendments and Reauthorization Act.

**U.S. SARA 311/312:**

Acute Health: Yes; Chronic Health: No; Fire: No; Reactivity: No

**U.S. CERCLA Reportable Quantity:**

None

**U.S. TSCA Inventory Status:**

The components of this product are listed on the TSCA Inventory or are exempted from listing.

**Other U.S. Federal Regulations:**

None known

**California Safe Drinking Water and Toxic Enforcement Act (Proposition 65):**

This product does not contain Prop 65 chemicals at reportable concentrations.

**15.2 Canadian Regulations:****Canadian DSL/NDSL Inventory Status:**

Components are DSL Listed, NDSL Listed and/or are exempt from listing

**Other Canadian Regulations:**

Not applicable

**Canadian Environmental Protection Act (CEPA) Priorities Substances Lists:**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

**Canadian WHMIS Classification and Symbols:**

This product has been classified per WHMIS 2015 standards.

**15.3 European Economic Community Information:**

This product meets the definition of a hazardous substance or preparation as defined by the European Union Council Directives 67/548/EEC, 1999/45/EC, 1272/2008/EC and subsequent Directives. See Section 2 for Details.

**Chemical Safety Assessment:**

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

**15.4 Australian Information for Product:**

Components of this product are listed on the International Chemical Inventory list.

**15.5 Japanese Information for Product:**

Japanese Minister of International Trade and Industry (MITI) Status: The components of this product are not listed as Class I specified Chemical Substances, Class II Specified Chemical Substances, or Designated Chemical Substances by the Japanese MITI.

**15.6 International Chemical Inventories:****Listing of the components on individual country Chemical Inventories is as follows:**

Australian Inventory of Chemical Substances (AICS): Listed

Korean Existing Chemicals List (ECL): Listed

Japanese Existing National Inventory of Chemical Substances (ENCS): Listed

Philippines Inventory of Chemicals and Chemical Substances (PICCS): Listed

U.S. TSCA: Listed

**SECTION 16 - ADDITIONAL INFORMATION**

Prepared By: Chris Eigbrett (MSDS to GHS Compliance)

Date of Printing: October 11, 2018

The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of the need that information is current, applicable and suited to the circumstances of use. This safety sheet cannot cover all possible situations which the user may experience during processing. Each aspect of your operation should be examined to determine if, or where, additional precautions may be necessary. All health and safety information contained in this bulletin should be provided to your employees or customers. Glaze 'N Seal Products Inc. assumes no responsibility for injury to vendee or third party person proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, Glaze 'N Seal Products Inc. assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Compliance with all applicable federal, state, and local laws and local regulations remains the responsibility of the user.

**END OF SDS SHEET**