

# MATERIAL SAFETY DATA SHEET

## 1. PRODUCT AND COMPANY IDENTIFICATION

**TRADE NAME:** FSC Etch & Clean  
**PRODUCT CLASS** Cleaning Compound, Water Type  
**DOT Shipping Name** Liquid Phosphoric Acid Blend

### Company

**Manufactured by:** FSC COATINGS, INC.

**Exclusive Distribution & Technical Information :**

FSC COATINGS, Inc.

5360 Eastgate Mall Road, Ste. F

San Diego, CA 92121

### Contact Telephone Number:

Date Prepared: 2/11/14

Date Printed: 2/11/14

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## 2. HAZARDOUS INGREDIENTS

Ingredients	CAS Number	% (by weight)	OSHA PEL TWA	AGGIH TLV STEL
Phosphoric Acid	7664-38-2	<60	1mg/m <sup>3</sup>	2mg/m <sup>3</sup>
Ethylene Glycol	111-76-2	<10	25ppm	.25ppm
Monobutyl Ether				

## 3. PHYSICAL PROPERTIES

Vapor density (air = 1): Heavier than air

Specific gravity (H<sub>2</sub>O = 1: 1.11@20C

Solubility in water-- Complete

Vapor Pressure, mmHg@20C: Not Determined

Appearance and odors: Clear, colorless to Lt. Amber

Evaporation rate: Slower than ether

Melting point or range: N/A

## 4. HEALTH HAZARD INFORMATION

### Potential Health Effects

**Eye:** May cause eye irritation. Symptoms may include stinging, tearing, and redness.

**Skin:** May cause skin irritation. Symptoms may include redness, burning of skin, and other skin damage.

**Swallowing:** Results in sever damage to tissue and mucous membrane.

**Inhalation:** Nausea and irritation of the airways such as nose and throat.

**Cancer Information:** No data

**Primary route(s) of entry:** Dermal

## 5. FIRST AID MEASURES

**Eyes:** Flush eyes gently with large amounts of water while holding eyelids apart for at least 15 minutes. Seek immediate medical attention.

**Skin:** Remove contaminated clothing. Flush exposed area with large amounts of water. Launder clothing before reuse.

**Swallowing:** Give two glasses of milk or water if available. If individual is drowsy or unconscious, do not give anything by mouth. Seek medical attention immediately.

**Inhalation:** If symptoms develop, move individual into fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Keep individual warm and quiet until medical attention is given.

**Note to physicians:** Preexisting disorders of the following organs (or organ systems) may be aggravated by exposure to this product: skin, lungs (for example, asthma-like conditions).

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## 6. REACTIVITY DATA

**Stability:** Stable

**Hazardous polymerization:** Does not occur

**Hazardous products of combustion:** Carbon dioxide, carbon monoxide and possible acid fine.

**Incompatibility:** Contact with strong alkalis such as sodium hydroxide (NaOH, ammonium hydroxide (NH<sub>4</sub>OH), bleaching materials.

## 7. FIRE FIGHTING MEASURES

**Flash point:** N/A

**Explosives Limit:** N/A

**Extinguishing media:** Water fog

**Fire Fighting Instructions:**

Wear a self-contained breathing apparatus with a full face piece operated in the positive pressure demand mode with an appropriate turn out gear and chemical resistant personal protective equipment.

**NFFA rating**

## 8. ACCIDENTAL RELEASE MEASURES

**Small spill:** Cover with baking soda and/or soda ash. Mix and spray with water. Scoop into a bucket of water and let stand for about two hours. Area should be thoroughly swept and then washed to remove any residual contamination, capturing wash and disposing of the wash properly.

**Large spill:** Persons involved with clean up must wear protective gear until the task is completed. Stop the spill at the source while setting up dikes to prevent spreading. Thoroughly sweep area of the spill to clean up any residual contamination.

**Handling and storage of waste:** Dispose of in accordance with all Local, State & Federal measures.

## 9. HANDLING AND USE PROCEDURES

**Handling:** Mix and use in a well-ventilated area. Respiratory masks may be used as long as acid fumes are blocked. Protective gloves should be used and made of rubber. Safety glasses should be used along with a splash shield. If splashes occur to eye, rinse thoroughly with water. Seek medical attention if irritation persists. Change clothing if splashed upon, wash prior to reuse. Avoid skin contact. Rinse off splashes thoroughly with water.

**Work/Hygienic practices:** Continue using whatever On-The-Job requirements are needed.

## 10. SPECIAL PRODUCT INFORMATION

Store in a dry and well-ventilated environment.

**Temperature effects:** DO NOT INTENTIONALLY FREEZE! Extreme weather conditions should not normally affect this product. During prolonged storage in below freezing temperature, temporary freezing will occur. Although this is not harmful, this product must be thawed and in a complete liquid state for proper use.

## 11. TRANSPORT INFORMATION

**DOT information -49 CFR 172.101**

**DOT description:** Corrosive Liquid, Acidic, Organic, N.O.S., 8, UN3265, PGII

**Containers/Mode:** 5 Gal. Pail, 1 Gal. Container, 4 oz. bottle / Truck Package

**NOS component:** Phosphoric Acid

**RQ ( Reportable Quantity) - 49 CFR 172.101 :**

N/A

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## 12. REGULATORY INFORMATION

### U.S Federal Regulations

#### TSCA (Toxic Substances Control Act) Status

TSCA ( United States) - The intentional ingredients of this product are listed.

**CERCLA RQ - 40 CFR 302.4:** **None**

**SARA 302 COMPONENTS - 40 CFR 355 Appendix A :** **None**

#### Section 311 / 312 Hazard Class - 40 CFR 370.2

Immediate ( )    Delayed (X)    Fire ( )    Reactive( )    Sudden Release of Pressure ( )

### International Regulations

**Inventory Status:**    Not determined

#### State and Local Regulations

**California Proposition 65:**    None

## 13. OTHER INFORMATION

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. ELMAR-CO assumes no responsibility for injury from the use of the product described herein.