

# Material Safety Data Sheet

24 Hour Assistance:  
1-847-367-7700  
Rust-Oleum Corp.  
www.rustoleum.com

## Section 1 - Chemical Product / Company Information

Product Name: CLEANING AND ETCHING SOLUTION Revision Date: 03/03/2011  
 Identification Number: F0108402  
 Product Use/Class: Clean & Etch Solution /Waterbased  
 Supplier: Rust-Oleum Corporation Manufacturer: Rust-Oleum Corporation  
 11 Hawthorn Parkway 11 Hawthorn Parkway  
 Vernon Hills, IL 60061 Vernon Hills, IL 60061  
 USA USA  
 Preparer: Regulatory Department

## Section 2 - Composition / Information On Ingredients

Chemical Name	CAS Number	Weight % Less Than	ACGIH TLV-TWA	ACGIH TLV-STEL	OSHA PEL-TWA	OSHA PEL CEILING
Phosphoric Acid	7664-38-2	30.0	1 mg/m <sup>3</sup>	3 mg/m <sup>3</sup>	1 mg/m <sup>3</sup>	N.E.

## Section 3 - Hazards Identification

\*\*\* Emergency Overview \*\*\*: Do not taste or swallow.

Effects Of Overexposure - Eye Contact: Irritating, and may injure eye tissue if not removed promptly.

Effects Of Overexposure - Skin Contact: Low hazard for usual industrial handling or commercial handling by trained personnel.

Effects Of Overexposure - Inhalation: No Information.

Effects Of Overexposure - Ingestion: Substance may be harmful if swallowed.

Effects Of Overexposure - Chronic Hazards: No Information.

Primary Route(s) Of Entry: Skin Contact, Skin Absorption, Inhalation, Ingestion, Eye Contact

## Section 4 - First Aid Measures

First Aid - Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes holding eyelids open. Get medical attention. Do NOT allow rubbing of eyes or keeping eyes closed.

First Aid - Skin Contact: Wash with soap and water. Get medical attention if irritation develops or persists.

First Aid - Inhalation: No Information.

First Aid - Ingestion: Swallowing less than an ounce will not cause significant harm. For larger amounts, do not induce vomiting, but give one or two glasses of water to drink and get medical attention.

## Section 5 - Fire Fighting Measures

Flash Point: >200 F (Setaflash)

Extinguishing Media: Film Forming Foam, Carbon Dioxide, Dry Chemical, Water Fog

Unusual Fire And Explosion Hazards: No unusual Hazards

Special Firefighting Procedures: No Information.

## Section 6 - Accidental Release Measures

Steps To Be Taken If Material Is Released Or Spilled: Isolate and dispose of in accordance with state and federal regulations.

## Section 7 - Handling And Storage

Handling: Wash thoroughly after handling. Follow all MSDS/label precautions even after container is emptied because it may retain product residues.

Storage: Keep away from heat, sparks, flame and sources of ignition.

## Section 8 - Exposure Controls / Personal Protection

Engineering Controls: Prevent build-up of vapors by opening all doors and windows to achieve cross-ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

Respiratory Protection: A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

Skin Protection: Use gloves to prevent prolonged skin contact.

Eye Protection: Use safety eyewear designed to protect against splash of liquids.

Other protective equipment: Refer to safety supervisor or industrial hygienist for further information regarding personal protective equipment and its application.

Hygienic Practices: Wash thoroughly with soap and water before eating, drinking or smoking.

## Section 9 - Physical And Chemical Properties

Vapor Density: Heavier than Air  
 Appearance: Liquid  
 Solubility in H<sub>2</sub>O: Miscible

Odor: Musty  
 Evaporation Rate: Slower than Ether  
 Freeze Point: N.D.

Specific Gravity: 1.139 pH: N.D.  
 Physical State: Liquid

(See section 16 for abbreviation legend)

## Section 10 - Stability And Reactivity

Conditions To Avoid: No Information.

Incompatibility: Incompatible with strong oxidizing agents, strong acids and strong alkalies.

Hazardous Decomposition: By open flame, carbon monoxide and carbon dioxide.

Hazardous Polymerization: Will not occur under normal conditions

Stability: Stable under normal conditions

## Section 11 - Toxicological Information

<b>Chemical Name</b>	<b>LD50</b>	<b>LC50</b>
Phosphoric Acid	4400 mg/kg (Rat)	N.E.

## Section 12 - Ecological Information

Ecological Information: Product is a mixture of listed components.

## Section 13 - Disposal Information

Disposal Information: Dispose of material in accordance to local, state and federal regulations and ordinances. Do not allow to enter storm drains or sewer systems.

## Section 14 - Transportation Information

	<b>Domestic (USDOT)</b>	<b>International (IMDG)</b>	<b>Air (IATA)</b>
Proper Shipping Name:	Consumer Commodity	Corrosive Liquid, nos, (Phosphoric Acid)	Corrosive Liquid, nos, (Phosphoric Acid)
Hazard Class:	ORM-D	8	8
UN Number:	N.A.	UN1760	UN1760
Packing Group:	N.A.	III	III
Limited Quantity:	No	Yes	No

## Section 15 - Regulatory Information

### CERCLA - SARA Hazard Category

This product has been reviewed according to the EPA "Hazard Categories" promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

IMMEDIATE HEALTH HAZARD, CHRONIC HEALTH HAZARD

**SARA Section 313:**

Listed below are the substances (if any) contained in this product that are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

<u>Chemical Name</u>	<u>CAS Number</u>
Phosphoric Acid	7664-38-2

**Toxic Substances Control Act:**

Listed below are the substances (if any) contained in this product that are subject to the reporting requirements of TSCA 12(B) if exported from the United States:

**U.S. State Regulations: As follows -**

**New Jersey Right-to-Know:**

The following materials are non-hazardous, but are among the top five components in this product.

<u>Chemical Name</u>	<u>CAS Number</u>
Water	7732-18-5
Polydimethylsiloxane	63148-62-9

**Pennsylvania Right-to-Know:**

The following non-hazardous ingredients are present in the product at greater than 3%.

<u>Chemical Name</u>	<u>CAS Number</u>
Water	7732-18-5

**International Regulations: As follows -**

**CANADIAN WHMIS:**

This MSDS has been prepared in compliance with Controlled Product Regulations except for the use of the 16 headings.

**CANADIAN WHMIS CLASS:** D2B

<b>Section 16 - Other Information</b>
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**NFPA Ratings:**

Health: 2                      Flammability: 1                      Instability: 0

**VOLATILE ORGANIC COMPOUNDS, g/L:** 0

**REASON FOR REVISION:** Regulatory Update

**Legend:** N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

Rust-Oleum Corporation believes, to the best of its knowledge, information and belief, the information contained herein to be accurate and reliable as of the date of this material safety data sheet. However, because the conditions of handling, use, and storage of these materials are beyond our control, we assume no responsibility or liability for personal injury or property damage incurred by the use of these materials. Rust-Oleum Corporation makes no warranty, expressed or implied, regarding the accuracy or reliability of the data or results obtained from their use. All materials may present unknown hazards and should be used with caution. The information and recommendations in this material safety data sheet are offered for the users' consideration and examination. It is the responsibility of the user to determine the final suitability of this information and to comply with all applicable international, federal, state, and local laws and regulations.