

Material Safety Data Sheet (MSDS)
NPCA 1-84 for Coatings, Resins, and Related Materials
Replaces NPCA 1-82

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Emergency: (800) 424-9300
Information: (337) 234-6327

Date of Preparation: 08/20/2010

Section I: Product Identification

Product Name: Rust Converter
Product Class: Corrosive Material
Chemical Name: Phosphoric Acid Solution

Section II: Hazardous Ingredients

Ingredient	%	Occupational Exposure Limits		Vapor Pressure
		TLV	PEL	
Phosphoric Acid (CAS# 7664-38-2)	33.09	1 MG/M ³	1 MG/M ³	N/A
Nitric Acid (CAS# 7697-37-2)	3.78	2 PPM	2 PPM	7.5 MMHg @ 68°F (20°C)
Butyl Cellosolve (CAS# 111-76-2)	8.13	25 PPM	25 PPM	0.6 MMHg @ 68°F (20°C)

Section III: Physical Data

Weight / Gallon: 9.79 Lbs.
Form: Liquid
Solubility in Water: 100% @ 68°F (20°C)

Boiling Range: 212°F (100°C)
Appearance: Clear
Acidity or Alkalinity: Strong Acid
Stability: Stable under normal conditions.

Section IV: Fire & Explosion

Special Fire Fighting Procedures: Firefighters should wear self-contained breathing apparatus with full face piece operated in pressure demand mode. Use full turnout gear.

Unusual Fire and Explosion Hazards: None

Extinguishing Agent: Water spray, dry chemical, carbon dioxide, water fog

Section V: Health Hazard Data

Chronic Effects of Over Exposure

Acute toxicological Properties:
Phosphoric Acid

Irritation of respiratory tract, burns eyes and skin.
Severe eye irritant; Acute oral LD₅₀ = 1530 MG/KG (RAT); Acute dermal LD₅₀ = 2740 MG/KG (RABBIT).

Emergency First Aid Procedures

Eyes: Flush eyes with large quantities of water on site for 20 to 30 minutes. Hold eyes open while flushing. Call a physician. Continue flushing with water, up to one hour during transport to a medical facility.

Skin Contact: Remove contaminated clothes and flush with water for at least twenty minutes. If irritation persists, extend the water rinse period from twenty to thirty minutes. Call a physician immediately after rinsing.

Inhalation: Remove victim to fresh air. Call a physician immediately.

Ingestion: Do not induce vomiting. If conscious have victim rinse mouth, then drink large amounts of water. Never give anything by mouth to an unconscious person. Call a physician immediately.

Section VI: Reactivity Data

Hazardous Polymerization:	Will not occur.
Decomposition Products:	Oxides of nitrogen.
Released During Combustion:	Not combustible.
Conditions to Avoid:	Heat and strong alkalis.
Incompatibility:	Metallic powders, carbides, sulfides, turpentines & cyanides.

Section VII: Spill or Leak Procedure

Clean Up Procedure:	Wear protective clothing and equipment during cleanup. Absorb spills on an inert material such as earth, sand, or vermiculite. Sweep up and dispose of in accordance with federal, state and local regulations.
Waste Disposal:	Dispose of material in accordance with local, state, and federal regulations.

Section VIII: Special Protection Information

Ventilation Required:	Local, if necessary to maintain allowable PEL or TLV.
Respiratory Protection:	If the TVL / PEL of the product or any component is exceeded, use an OSHA approved self contained breathing apparatus.
Protective Gloves:	Neoprene rubber gloves.
Eye Protection:	Chemical splash goggles and full face shield.
Other Equipment:	Rubber apron & rubber boots.

Section IX: Special Precautions

Handling/Storage Precautions:	Wear protective clothing and equipment while handling. Wash thoroughly after handling. Store away from reducing agents; easily oxidizes organic compounds and most metals.
Other Precautions:	Do not swallow. Avoid eye and skin contact. Wash clothing before reuse. Keep from feed or food products. Keep out of reach of children. Keep container tightly closed when not in use.

Section X: Transportation Data

D.O.T:	Regulated	U.S. D.O.T. Hazard	
I.D. Number	UN1805	Class:	Corrosive material.
Labels Required:	Corrosive	Freight Classification:	25% Phosphoric Acid Solution
Reportable Quantity:	Not Applicable	Special Note:	None
U.S. D.O.T. Proper Shipping Name:	Phosphoric Acid Solution		

Section XI: Supplier Notification – Section 313

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning & Community Right To Know Act of 1986 (40 CFR 372):

<u>Cas#</u>	<u>Chemical Name</u>	<u>Percent By Weight</u>
7664-38-2	Phosphoric Acid	33.09%
7697-37-2	Nitric Acid	3.78%
111-76-2	Butyl Cellosolve	8.13%

Section XII: Disclaimer

We believe the statement, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind, express or implied, and we assume no responsibility for any loss, damage, or expense, direct or consequential, arising out of their use.

If any further information is required, please call (337) 234-6327 or fax (337) 234-0113. Address all inquiries to our research and development department.