

Safety Data Sheet



Protective Products Corp.,
P.O. Box 246
Johnston, IA 50131

Section 1. Chemical Product and Company Identification

Product Name Phix Corrosion Treatment
Product Use Rust remover and metal conditioner
Product Code 05
Date of Issue 1/20/2016
Supersedes 4/1/05

Emergency Telephone Numbers

24 Hr. Emergency Telephone: 888-772-1277

(For use only in the event of emergencies involving a spill, leak, fire, exposure, or accident involving chemicals)

Section 2. Hazards Identification

Emergency Overview

DANGER



Health and Physical Hazards

Skin Corrosion/Irritation Category 1
Serious eye damage/ eye irritation Category 1

Precautionary Statements:

P260 Do not breathe in mist, vapors or sprays
P264 Wash hands thoroughly after handling
P280 Wear protective gloves, clothing and eye protection
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): Remove contaminated clothing. Rinse skin with water/shower.
P304+P340 IF INHALED: Remove victim to fresh air and keep in a recovery position comfortable for breathing.
P305+P351+P338 IF IN EYES: Rise cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P310 Immediately call a poison center or physician
P363 Wash all contaminated clothing before reuse
P390 Absorb spillage to avoid material damage
P405+P404 Store locked up. Store in a closed container
P501 Dispose of in accordance with all federal, state, and local regulations

Hazard Statements:

H314 Causes severe skin burns and eye damage

Routes of Entry Dermal, Oral, and Inhalation

Acute Effects:

Eyes Causes irritation to serious eye damage, including blindness. Severity increases with duration of contact.
Skin Causes irritation to burns depending upon duration of contact.
Inhalation Mists can cause irritation and burns to respiratory tract.
Ingestion Corrosive to the mucous membranes of the mouth, throat, esophagus and stomach. Causes burns, nausea, and vomiting with gastrointestinal disorder. Can be fatal if swallowed.

Section 3. Composition/Information on Ingredients

Name of Hazardous Ingredients

Name of Hazardous Ingredients	CAS Number	% by Weight
Phosphoric Acid	7664-38-2	18-20
Zinc Phosphate	7779-90-0	5-10
Ethyl Alcohol	64-17-5	1-3

In accordance with paragraph (j) of § 1910.1200, the specific chemical identity and or exact percentage of composition has been withheld as a trade secret

Section 4. First Aid Measures

Eye Contact	Flush immediately with plenty of clean water for at least 15 minutes. If irritation persists, get medical attention.
Skin Contact	Flush immediately with plenty of clean water; use soap if available. If irritation persists seek medical attention. Remove contaminated clothing and shoes; wash before reuse.
Inhalation	Remove to fresh air. Begin CPR if breathing has stopped and seek immediate medical attention.
Ingestion	Do not induce vomiting. Give several glasses of water. Never give anything to an unconscious person orally. Seek immediate medical attention.

Section 5. Fire Fighting Measures

National Fire Protection Association (U.S.A)
(estimated rating)



Hazardous Combustion Products	N/A
Extinguishing Media	Media applicable to surrounding fire
Unsuitable Extinguishing Media	N/A
Fire Fighting Procedures	Wear protective gear. Use water spray to cool fire-exposed containers.

Section 6. Accidental Release Measures

Spill Clean Up All spilled material must be contained and kept out of waterways, sewers and drains. The spilled chemical should be absorbed with an inert material. Flush cleaned area thoroughly with water.

Section 7. Handling and Storage

Handling and Storage Keep container tightly closed when not in use. Store away from chlorine-containing compounds. Store indoors away from excessive heat or cold. Keep out of the reach of children. Have eyewash accessible to use in handling area.

Section 8. Exposure Controls/Personal Protection**Exposure Limits**

Product Name	OSHA PEL	NIOSH REL	AIHA WEEL	ACGIH TLV
Phosphoric Acid (7664-38-2)	1mg/m ³	1mg/m ³		1mg/m ³
Ethyl alcohol (64-17-5)	1000ppm	1000ppm		1000ppm

Engineering Controls Local exhaust is normally adequate. Use in a well-ventilated area

**Personal Protective Equipment (PPE)**

Eyes	Chemical splash goggles or face shield
Body	Rubber or neoprene gloves
Respiratory	Use NIOSH approved respirator if TLV are reached or exceeded

Section 9. Physical and Chemical Properties

Physical State	Liquid	Explosive Limits	N/A
Color	Yellow	Vapor Pressure	N/A
Odor	Mild alcohol odor	Vapor Density	N/A
Odor Threshold	N/A	Relative Density	N/A
pH	1-1.5	Solubility	Complete
Freezing Point	N/A	Partition Coefficient	N/A
Boiling Point	220°F	Auto-Ignition Temp.	N/A
Flash Point	None	Decomposition Temp.	N/A
Evaporation Rate	<1	Viscosity	N/A
Flammability	Non-flammable	Specific Gravity	1.19-1.22

Section 10. Stability and Reactivity

Stability and Reactivity	Stable
Incompatibility	Strong bases, oxidizing agents. Sodium Hypochlorite. Soft metals such as aluminum with prolonged contact.
Hazardous Polymerization	Will not occur
Hazardous Decomposition Products	Oxides of phosphorous.
Conditions to Avoid	Incompatible materials

Section 11. Toxicological Information

Routes of Entry	Dermal, oral and inhalation
Symptoms	Irritation to burns
Skin Irritant	Yes
Eye Irritant	Yes
Sensitizers	Not determined
Mutagenicity	No information found
Carcinogenicity	No ingredient listed as a carcinogen
Reproductive Toxicity	No information found
Target Organs	See section 2

Acute Toxicity

Phosphoric Acid (CAS# 7664-38-2)

Dermal	LD50 (skin, rabbit)	2740mg/kg (2740mg/kg)
Oral	LD50 (oral, rat)	1530mg/kg (1530mg/kg)
Inhalation	LC50 (inhalation, rat)	> 850mg/m ³ /1H (850mg/m ³)

Ethyl Alcohol (CAS#64-17-5)

Dermal	No data found	
Oral	LD50 (oral, rat)	7060mg/kg (7060mg/kg)
Inhalation	LC50 (inhalation, rat)	20000ppm/10H (20000ppm)

Zinc Phosphate (CAS# 7779-90-0)

LD50 (intraperitoneal, mouse)	552mg/kg (552mg/kg)
-------------------------------	---------------------

Section 12. Ecological Information

Environmental Effects No ecological information available for this product as a whole.

Section 13. Disposal Considerations

Waste Information Dispose of in accordance with all Federal, State and Local pollution control regulations.

Section 14. Transportation Information

Regulatory Information	UN number	Proper Shipping Name	Classes	Packaging Group	Label Code
DOT Classification	UN1805	Phosphoric Acid Solution	8	PGIII	Corrosive

Note: DOT Classification applies to most packaging sizes. For specific container size classifications or for size exceptions, refer to the Bill of Lading with your shipment.

Section 15. Regulatory Information

US Federal Regulations The following substances are listed as a toxic chemical and are subject to report under the SARA act Section 313: None

The following substances have CERCLA reportable quantity values (in pounds):

State Regulations	None	Phosphoric Acid	7664-38-2	5,000
--------------------------	------	------------------------	------------------	--------------

Section 16. Other Information

Last Revision 1/20/2016

The information contained herein is based on the data available to us and is believed to be accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. We assume no responsibility for injuries from the use of the product described herein.