

6/21/2015



1 MATERIAL AND COMPANY IDENTIFICATION

phospho Rust Remover

MATERIAL NAME: PHOSPHO

USES: Cleaning of metal. Rust Removal, Paint prep.

COMPANY

Research Products, INC. of Alabama
6311 Highway 90 West
Theodore, Al 36582
(251)653-0030

Date Prepared: 5/10/1993
Revised Date: 4/3/2014
Print Date: 11/9/2016

3. HAZARDS IDENTIFICATION

SYMBOL:

SIGNAL WORD:

Warning

HAZARD STATEMENT:

Eye and skin Hazard. Inhalation Hazard. Ingestion Hazard.
Product Contains Phosphoric Acid.



PRECAUTIONARY STATEMENTS:

Avoid contact with Skin and eyes. Inflammation in the eyes is characterized by redness, itching, and tearing. Inflammation of the skin is characterized by redness, burning, and itching. Avoid vapors and mist. Over exposure is characterized by coughing, choking, and shortness of breath. Use in well ventilated areas. Do not swallow keep away from children.

3.COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME:	CAS NO.	CONCENTRATION
PHOSPHORIC ACID	7664-38-2	25%
CHEMICAL NAME:	CAS NO.	CONCENTRATION
NONYLPHENOL POLYETHOXYLATE	9016-45-9	<1%
CHEMICAL NAME:	CAS NO.	CONCENTRATION

CHEMICAL NAME:

CAS NO.

CONCENTRATION

4. FIRST AID MEASURES

INHALATION:

Remove to fresh air. Seek medical attention if irritation or shortness of breath develops.

SKIN CONTACT:

Wash with mild soap and rinse with fresh water for 15 minutes. Seek medical attention if irritation persists. Remove contaminated clothing and laundry before reuse.

EYE CONTACT:

Flush with water for 15 minutes, raising the eyelid to insure thorough washing. Seek medical attention if irritation persists.

INGESTION:

Drink large amounts of water to dilute. Do not induce vomiting. Seek medical attention immediately.

5. FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA:

Choose appropriate media depending on surrounding fire.

UNSUITABLE EXTINGUISHING MEDIA:

NA

SPECIFIC HAZARDS IN CASE OF FIRE:

Fluid is non-flammable Containers close to fire should be removed or cooled with water.

SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE FIGHTERS:

Suitable protective clothing and breathing apparatus depending on material burning.

6. ACCIDENTAL RELEASE MEASURES:

PERSONAL PRECAUTIONS:

Avoid direct contact. Wear eye-protection, skin protection, and rubber gloves. Keep working area well ventilated.

ENVIRONMENTAL PRECAUTIONS:

Avoid discharge into the environment. Prevent spillage from entering sewage or public waters.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:

Dike or otherwise contain large spills. Small spill may be controlled using common floor absorbent.

Transfer refuse to appropriate holding containers for disposal. Flush area with water.

Always follow federal, state, and local regulations when disposing of waste.

7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING:

Do not get in eyes, on skin or clothing. Always wear personal protective equipment when handling this product. Avoid breathing mist or vapor. Do not taste or swallow.

CONDITIONS FOR SAFE STORAGE, INCLUDING INCOMPATIBILITIES:

Store in a cool dry place. Keep container tightly closed and always keep labeled. Use caution when opening to release pressure. Use with adequate ventilation. Wash hands thoroughly after handling.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS

MATERIAL	SOURCE	TYPE	PPM	MG/M3	NOTATION
Phosphoric acid	TWA	OSHA			1
	TWA	NIOSH			1
	TWA	ACGIH			1
	STEL	OSHA			
	STEL	NIOSH			3
	STEL	ACGIH			3

VENTILATION:

Local exhaust ventilation is recommended.

RESPIRATORY PROTECTION:

Use in a well ventilated area.



EYE PROTECTION:

Chemical glasses or goggles. Eye wash station should be available.

SKIN PROTECTION:

Rubber boots, acid resistant cloths, and chemical resistant gloves should be worn. Access to a safety shower is also recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES:

PHYSICAL STATE:

Liquid

APPEARANCE:

Green Liquid

ODOR:

Pungent odor

PH-VALUE:

1

MELTING POINT:

NA

FREEZING POINT:

NA

FLASH POINT:

None

EXPLOSION/FLAMMABILITY:

None

SPECIFIC GRAVITY:

1.2

VAPOR DENSITY:

>1

WATER SOLUBILITY:

Complete

VOLATILE ORGANIC CARBON CONTENT:

NA

EVAPORATION RATE:

<1(N-BUTYL ACETATE=1)

10. STABILITY AND REACTIVITY:

CHEMICAL STABILITY:

Stable Polymerization will not occur under normal conditions

CONDITIONS TO AVOID:

Avoid High temperatures.

MATERIAL TO AVOID:

Alkaline compounds, and strong oxidizing materials.

HAZARDOUS DECOMPOSITION PRODUCTS:

Oxides of carbon with combustion.

11. TOXICOLOGICAL INFORMATION

BASIS FOR ASSESSMENT:

Dermal contact, Eye contact, Inhalation, Ingestion.

ACUTE ORAL TOXICITY:

(LD 50) :1530 mg/kg [rat].

ACUTE DERMAL TOXICITY:

(LD50): 2740 mg/kg [rabbit]

ACUTE INHALATION TOXICITY:

NA

SKIN IRRITATION:

Will irritate, can cause burns.

EYE IRRITATION:

Fumes may cause irritation. Splashes can cause Serious damage to the eye.

RESPIRATORY IRRITATION:

Inhalation Can cause irritation to the respiratory tract.

CARCINOGENICITY:

None

12. ECOLOGICAL INFORMATION

ACUTE TOXICITY:

FISH

AQUATIC INVERTEBRATES

ALGAE

MICROORGANISMS

MOBILITY:

This product in its concentrated form will lower the pH of ground water and may not be discharged without pretreatment.

PERSISTENCE/DEGRADABILITY:

NA

BIOACCUMULATION:

This product is not regarded as Biaccumulative.

13. DISPOSAL CONSIDERATIONS

MATERIAL DISPOSAL:

This material when discarded is a hazardous waste as defined by the U.S Resource Conservation and Recovery Act (RCRA), 40 CFR 261.22 Due to its characteristics of corrosivity. Dispose of in Accordance with local, State, and Federal Regulations.

14. TRANSPORT INFORMATION:

US DEPARTMENT OF TRANSPORTATION CLASSIFICATION (49CFR)

IDENTIFICATION NUMBER: P0010B

PROPER SHIPPING NAME: UN1760, Corrosive liquid n.o.s., (phosphoric Acid), 8, PGIII

CLASS/ DIVISION: Corrosive 8

PACKING GROUP: PG III

15. REGULATORY INFORMATION:

THIS REGULATORY INFORMATION IS NOT INTENDED TO BE COMPREHENSIVE. OTHER REGULATIONS MAY APPLY TO THIS MATERIAL

Federal and State Regulation:

Connecticut hazardous material survey. Phosphoric Acid Illinois toxic substances disclosure to employee act:
Phosphoric acid Illinois chemical safety act: Phosphoric acid New York release reporting list: Phosphoric acid
Rhode island RTK hazardous substance: Phosphoric Acid Pennsylvania RTK: Phosphoric Acid New Jersey.
Phosphoric acid California Directors list of hazardous substances: Phosphoric acid TSCA8(b) inventory:
Phosphoric Acid Water SARA 313 toxic chemical notification and release reporting: Phosphoric acid CERCLA:
Hazardous Substances.

Other Regulations: OSHA: Hazardous by definition of Hazard Communication standard (29 CFR 1910.1200)

CHEMICAL INVENTORY STATUS

TSCA	YES
EC	YES
JAPAN	YES
AUSTRALIA	YES

SARA 302/313

PHOSPHORIC ACID NO

CERCLA

PHOSPHORIC ACID RQ
5000LBS.

SARA 311/312

ACUTE	YES
CHRONIC	NO

DSCL (EEC):

R 34 causes burns In case of contact with eyes rinse immediately with plenty of water and seek medical attention

Health: 3

Fire: 0

Reactivity: 0

Special Notice NA

SARA Hazard Categories:

Fire	no
Reactivity	no
Sudden release of pressure	no
Acute health	yes
Chronic Health	no

16. OTHER INFORMATION:

HEALTH:	3
FLAMMABILITY:	0
REACTIVITY:	0
MSDS EFFECTIVE DATE	4/3/2014
MSDS REVISIONS	4/3/2014

MSDS DISTRIBUTION: THE INFORMATION IN THIS DOCUMENT SHOULD BE MADE AVAILABLE
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RESEARCH PRODUCTS, INC.

OF ALABAMA

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TECHNICAL DATA

PHOSPHO - RUST REMOVER

DESCRIPTION:

PHOSPHO IS A RUST REMOVER AND METAL CONDITIONER FOR USE ON FERROUS METALS. WHEN APPLIED, PHOSPHO PENETRATES AND DISSOLVES RUST CONVERTING IRON OXIDE (RUST) TO IRON PHOSPHATE, GIVING EXCELLENT PAINT ADHESION. PHOSPHO IS ALSO VALUBLE FOR ETCHING ALUMINUM AND GALVANIZED SURFACES PRIOR TO PAINTING.

TO USE PHOSPHO:

REMOVE DIRT, OIL AND GREASE. REMOVE LARGE PIECES OR LOOSE PIECES OF RUST WITH A WIRE BRUSH. APLY PHOSPHO USING A BRUSH METHOD OR LOW PRESSURE SPRAYER, ALLOW TO DRY COMPLETELY. RINSING IS NOT GENERALLY REQUIRED OR NECESSARY AND NOT RECOMMENDED FOR