

# SAFETY DATA SHEET

Date Prepared : 04/22/2015

SDS No : PROP-1019

put a HALT to rust®

## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** put a HALT to rust®

**GENERAL USE:** Remove rust from surfaces.

**PRODUCT DESCRIPTION:** Rust Remover

**PRODUCT CODE:** PROP-1019

**CHEMICAL FAMILY:** Acid/detergent blend

### MANUFACTURER

ELSCO International 201

Elsco Blvd.

Seaboard, NC 27876

**Customer Service:** 757-373-6741—252-589-7840

**Fax: 252-589-2900 Transportation:** 888-843-5720

### 24 HR. EMERGENCY TELEPHONE NUMBERS

**CHEM-TREC (Medical and Transportation):** 800-424-9300

## 2. HAZARDS IDENTIFICATION

### GHS CLASSIFICATIONS Health:

Skin Irritation, Category 2

Serious Eye Damage, Category 1

### GHS LABEL



Corrosion

**SIGNAL WORD:** DANGER

### HAZARD STATEMENTS

H318: Causes serious eye damage. H315:

Causes skin irritation.

### PRECAUTIONARY STATEMENT(S)

#### Prevention:

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P264: Wash hands thoroughly after handling. P234:

Keep only in original packaging.

#### Response:

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310: Immediately call a POISON CENTER or doctor/physician.

P302+P352: IF ON SKIN: Wash with plenty of soap and water.

P362+P364: Take off contaminated clothing and wash it before reuse.

P332+P313: If skin irritation occurs: Get medical advice/attention.

P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P313: Get medical advice/attention.

#### Storage:

P405: Store locked up.

P406: Store in a plastic container or corrosion resistant metal container with a resistant inner liner.

**Disposal:**

P501: Dispose of contents/container in accordance with all local, state and federal regulations.

**EMERGENCY OVERVIEW**

**PHYSICAL APPEARANCE:** Clear Liquid

**IMMEDIATE CONCERNS:** Causes irreversible eye damage and skin burns.

**POTENTIAL HEALTH EFFECTS**

**EYES:** Corrosive to the eyes and may cause severe damage including blindness.

**SKIN:** Contact may cause moderate to severe irritation.

**SKIN ABSORPTION:** None Expected.

**INGESTION:** Harmful if swallowed.

**INHALATION:** Mist is irritating to nose, throat and lungs.

**REPRODUCTIVE TOXICITY**

**TERATOGENIC EFFECTS:** No known significant effects or critical hazards.

**CARCINOGENICITY:** No known significant effects or critical hazards.

**MUTAGENICITY:** No known significant effects or critical hazards.

**ROUTES OF ENTRY:** Eye, skin, ingestion.

**TARGET ORGAN STATEMENT:** No known significant effects or critical hazards.

**CANCER STATEMENT:** NA = Not Applicable

**SENSITIZATION:** No known significant effects or critical hazards.

**WARNING CAUTION LABELS:** Corrosive

**PHYSICAL HAZARDS:** May be corrosive to certain metals.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

Chemical Name	Wt.%	CAS
Phosphoric Acid	10 - 15	7664-38-2

**4. FIRST AID MEASURES**

**EYES:** Immediately flush eyes with water for at least 15 minutes, while holding eyelids open. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Seek medical attention immediately.

**SKIN:** Remove contaminated clothing. Immediately flush with water followed by washing with mild soap. Seek medical attention.

**INGESTION:** Get immediate medical attention. Do not induce vomiting unless instructed to do so by poison center or physician.

**INHALATION:** Remove victim to fresh air and monitor. Seek medical advise if irritation persists.

**SIGNS AND SYMPTOMS OF OVEREXPOSURE**

**EYES:** Severe burning sensation, damage marked by burns.

**SKIN:** Burning sensation, redness.

**INGESTION:** Irritation of mouth, throat, along with stomach upset, vomiting.

**INHALATION:** Irritation of nose, throat and lungs with coughing, sneezing, possible difficulty breathing.

**ACUTE TOXICITY:** Corrosive to eyes. Causes moderate to severe skin irritation. Harmful if swallowed. **CHRONIC EFFECTS:** Not Established

**NOTES TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage.

**5. FIRE FIGHTING MEASURES**

**FLAMMABLE CLASS:** None

**GENERAL HAZARD:** Non-flammable

**EXTINGUISHING MEDIA:** No special requirements.

**FIRE FIGHTING EQUIPMENT:** No special requirements.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Not Established

**6. ACCIDENTAL RELEASE MEASURES**

**SMALL SPILL:** Avoid runoff into storm sewers and ditches which lead to waterways.

**LARGE SPILL:** Avoid walking in material. Prevent product from entering into stream, soil, storm sewer or other bodies of water.

**ENVIRONMENTAL PRECAUTIONS**

**WATER SPILL:** Avoid discharges into open waterways.

**LAND SPILL:** Avoid discharge to soil.

**AIR SPILL:** NA = Not Applicable

**GENERAL PROCEDURES:** Isolate spill or leak area immediately. Keep unauthorized personnel away. Do not touch or walk through spilled material. Prevent entry into waterways, sewers, or confined areas. Absorb with dry earth, sand or other noncombustible material and transfer to containers.

**SPECIAL PROTECTIVE EQUIPMENT:** Eye protection, rubber gloves, rubber boots to protect feet.

**7. HANDLING AND STORAGE**

**GENERAL PROCEDURES:** Close container after use.

**HANDLING:** Avoid contact with skin and eyes. Wash hands before eating, drinking, smoking or using toilet facilities.

**STORAGE:** Store in closed container in an area inaccessible to children.

**STORAGE TEMPERATURE:** Store at ambient temperatures.

**STORAGE PRESSURE:** Store at ambient atmospheric pressure.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**EXPOSURE GUIDELINES**

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)							
		EXPOSURE LIMITS					
		OSHA PEL		ACGIH TLV		Supplier OEL	
Chemical Name		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Phosphoric Acid	TWA		1		1	NL	NL
	STEL				3	NL	NL

**PERSONAL PROTECTIVE EQUIPMENT**

**EYES AND FACE:** Chemical splash goggles and full face-shield.

**SKIN:** Rubber or other chemical resistant gloves.

**RESPIRATORY:** A respirator is not needed under normal and intended conditions of product use.

**WORK HYGIENIC PRACTICES:** Wash with soap and water after handling. Do not eat, drink or smoke while using product.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**PHYSICAL STATE:** Liquid

**ODOR:** Lime

**ODOR THRESHOLD:** Not Established

**COLOR:** Water Clear **pH:** 1.0 to 1.5

**PERCENT VOLATILE:** >80

**FLASH POINT AND METHOD:** None

**FLAMMABLE LIMITS:** N/A  
**AUTOIGNITION TEMPERATURE:** NA = Not Applicable  
**VAPOR PRESSURE:** Not Available  
**VAPOR DENSITY:** 1 Air = 1  
**BOILING POINT:** 212° F; 100° C  
**FREEZING POINT:** 32° F; 0° C  
**THERMAL DECOMPOSITION:** Not Available  
**SOLUBILITY IN WATER:** Complete  
**EVAPORATION RATE:** (Water =1) 1.0  
**DENSITY:** 8.88  
**SPECIFIC GRAVITY:** ~ 1.064 grams/ml.  
**VISCOSITY:** Slightly viscous.  
**(VOC):** None

**10. STABILITY AND REACTIVITY**

**REACTIVITY:** Stable  
**HAZARDOUS POLYMERIZATION:** Will not occur.  
**STABILITY:** Stable under normal storage and use conditions.  
**CONDITIONS TO AVOID:** None known.  
**HAZARDOUS DECOMPOSITION PRODUCTS:** Under normal conditions of storage and use, hazardous decomposition products should not be produced.  
**INCOMPATIBLE MATERIALS:** Strong alkalis, oxidizers, chlorine Bleach

**11. TOXICOLOGICAL INFORMATION**

**ACUTE**

Chemical Name	ORAL LD <sub>50</sub> (rat)	DERMAL LD <sub>50</sub> (rabbit)
Phosphoric Acid	~ 1530 mg/kg (rat)	~ 2740 mg/kg (rabbit)

**EYES:** Not Established  
**DERMAL LD<sub>50</sub>:** Not Established  
**ORAL LD<sub>50</sub>:** Not Established  
**INHALATION LC<sub>50</sub>:** Not Established

**EYE EFFECTS:** Corrosive to eyes. Permanent damage may occur.  
**SKIN EFFECTS:** Moderate to severe skin irritant.

**CARCINOGENICITY**

**IARC:** No listed substance

**SENSITIZATION:** No known significant effects or critical hazards.  
**NEUROTOXICITY:** No known significant effects or critical hazards.  
**GENETIC EFFECTS:** No known significant effects or critical hazards.  
**REPRODUCTIVE EFFECTS:** No known significant effects or critical hazards.  
**TARGET ORGANS:** No known significant effects or critical hazards.  
**TERATOGENIC EFFECTS:** No known significant effects or critical hazards.  
**MUTAGENICITY:** No known significant effects or critical hazards.

## 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL DATA:** Not Established

**ECOTOXICOLOGICAL INFORMATION:** Not Established

**AQUATIC TOXICITY (ACUTE):** Not Established

**Notes:** Practically nontoxic

**CHEMICAL FATE INFORMATION:** Not Established

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Any method in accordance with local, state and federal laws. Best method is to recycle or reuse for intended purpose. If discarded, this material and its containers should be treated as hazardous waste based on the characteristics of corrosivity as defined under federal RCRA regulations (40 CFR 261). Consult local authorities for disposal into public sewer.

**FOR LARGE SPILLS:** Consult with local and state authorities for large volume disposal.

**PRODUCT DISPOSAL:** Small quantities (less than 1 gallon) of used material may be flushed to sanitary sewer with copious amounts of water. Larger quantities must be disposed of by a licensed disposal company.

**EMPTY CONTAINER:** Rinse container with clear water. Offer container for recycling, or dispose of in trash.

**RCRA/EPA WASTE INFORMATION:** Corrosive **RCRA**

**HAZARD CLASS:** C

## 14. TRANSPORT INFORMATION

### DOT (DEPARTMENT OF TRANSPORTATION)

**PROPER SHIPPING NAME:** Corrosive liquid, acidic, inorganic, n.o.s.

**TECHNICAL NAME:** Phosphoric Acid Solution **PRIMARY**

**HAZARD CLASS/DIVISION:** 8

**UN/NA NUMBER:** 3264

**PACKING GROUP:** III

**PLACARDS:** Corrosive

**LABEL:** Certain package sizes determine the proper labeling of containers. Consult manufacturer for specific information regarding proper labeling.

**OTHER SHIPPING INFORMATION:** Certain shipping modes and packaging sizes may have exceptions from the transport regulations. The classifications/information provided above may not reflect applicable exceptions. Contact the manufacturer for more specific information on the proper shipping of this material.

**SPECIAL SHIPPING NOTES:** Quantities less than or equal to one (1) gallon = Limited Quantity not regulated.

### AIR (ICAO/IATA)

**SHIPPING NAME:** Corrosive liquid, acidic, inorganic, n.o.s. **TECHNICAL**

**NAME:** Phosphoric Acid Solution

**UN/NA NUMBER:** 3264

**PRIMARY HAZARD CLASS/DIVISION:** 8

**PACKING GROUP:** III

**ERG:** 8L

**PLACARDS:** Corrosive

**LABEL:** Corrosive

### VESSEL (IMO/IMDG)

**SHIPPING NAME:** Corrosive liquid, acidic, inorganic, n.o.s.

**TECHNICAL NAME:** Phosphoric Acid Solution **UN/NA**

**NUMBER:** 3264

**PRIMARY HAZARD CLASS/DIVISION:** 8

**PACKING GROUP:** III

**EmS:** F-A, S-B

**PLACARDS:** Corrosive

**LABEL:** Corrosive

**15. REGULATORY INFORMATION**

**UNITED STATES**

**DOT LABEL SYMBOL AND HAZARD CLASSIFICATION**



Corrosive

**SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)**

**311/312 HAZARD CATEGORIES:** Health - Acute

**FIRE:** No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** No

**313 REPORTABLE INGREDIENTS:** No listed substance

**302/304 EMERGENCY PLANNING**

**EMERGENCY PLAN:** No listed substance

**CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT) CERCLA**

**REGULATORY:** Phosphoric Acid

Chemical Name	Wt.%	CERCLA RQ
Phosphoric Acid	10 - 15	5,000

**CERCLA RQ:** 5000 lbs.

**TSCA (TOXIC SUBSTANCE CONTROL ACT)**

**TSCA REGULATORY:** All ingredients are listed on the TSCA Chemical Inventory. **STATES**

**WITH SPECIAL REQUIREMENTS**

Chemical Name	Requirements
Phosphoric Acid	Massachusetts Right to Know Substance New Jersey Right To Know Substance New York Right to Know Substance Pennsylvania Right to Know Substance Rhode Island Right to Know Substance

**CALIFORNIA PROPOSITION 65:** No listed substance **CARCINOGEN:**

No listed substance

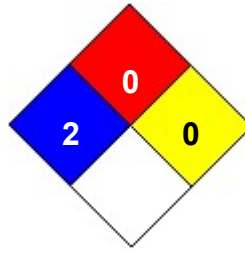
**16. OTHER INFORMATION**

**PREPARED BY:** Regulatory Affairs Department **Date Prepared:** 04/22/2015

**HMIS RATING**

**NFPA CODES**

HEALTH	<input type="checkbox"/>	2
FLAMMABILITY		0
PHYSICAL HAZARD		0
PERSONAL PROTECTION		D



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