



SAFETY DATA SHEET

Issued Date: 3/26/2015

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Revision: A

Section 1 : Chemical Product and Company Identification.

1.1 Product Identifier:

Product Name: Lime Free

Product Code: 641013

Synonyms: Phosphoric Acid Solution

1.2 Relevant Identified Uses:

Usage(s): Lime scale remover.

1.3 Supplier Info:

SANITARY MAINTENANCE & SUPPLY 8100 Hwy 64 E., Avon Park, FL 33825

1.4 Emergency Phone Info:

For emergency and medical help line, call INFOTRAC at (800) 535-5053, 24 hours a day, 7 days a week. For information on all our products and/or SDS please contact PRIDE customer service at 813-890-6557.

Section 2 : Hazards Identification.

2.1 Classification of substance or mixture

- ➔ Serious Eye Damage/Eye Irritation - Category 1
- ➔ Skin Corrosion/Irritation - Category 1B
- ➔ Acute Toxicity Oral - Category 4
- ➔ Acute Toxicity Inhalation - Category 4

2.2 Labeling Elements



GHS05



GHS07

Physical Description: Clear red liquid mild soap odor.

Signal Word: **Danger**

Hazard Statements

Hazard

- ➔ H302 | Harmful if swallowed
- ➔ H314 | Causes severe skin burns and eye damage
- ➔ H318 | Causes serious eye damage
- ➔ H332 | Harmful if inhaled

Prevention

- ➔ P260 | Do not breathe dust/fume/gas/mist/vapours/spray. Manufacturer/supplier or the competent authority to specify applicable conditions.
- ➔ P261 | Avoid breathing dust/fumes/gas/mist/vapours/spray Manufacturer/supplier or the competent authority to specify applicable conditions. - may be omitted if P260 is given on the label.
- ➔ P264 | Wash...thoroughly after handling ... Manufacturer/supplier or the competent authority to specify parts of the body to be washed after handling.
- ➔ P270 | Do not eat, drink or smoke when using this product
- ➔ P271 | Use only outdoors or in a well-ventilated area
- ➔ P280 | Wear protective gloves/ protective clothing/eye protection/face protection - Specify face protection. Manufacturer/supplier or the competent authority to specify type of equipment.

Response

- ➔ P301 + P312 | IF SWALLOWED: Call a POISON CENTER/doctor/.../if you feel unwell. ... Manufacturer/supplier or the competent authority to specify the appropriate source of emergency medical advice.
- ➔ P301 + P330 + P331 | IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- ➔ P303 + P361 + P353 | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
- ➔ P304 + P340 | IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- ➔ 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/doctor/... .. manufacturer/supplier or the competent authority to specify the appropriate source of emergency medical advice.

- ➡ P312 | CALL a POISON CENTER/doctor/.../if you feel unwell ... manufacturer/supplier or the competent authority to specify the appropriate source of emergency medical advice.
- ➡ P321 | Specific treatment (see...on this label) ... reference to supplemental first aid instruction. - if immediate administration of antidote is required.
- ➡ P330 | Rinse mouth
- ➡ P363 | Wash contaminated clothing before reuse.
- ☑ Storage
 - ➡ P405 | Store locked up.
- ☑ Disposal
 - ➡ P501 | Dispose of contents/container to... ... in accordance with local/regional/national/international regulation (to be specified).

2.3 Other Hazards:

None

Section 3 : Composition/Information On Ingredients.

3.1 Substances

Common Names: Phosphoric acid solution.

Ingredient Name	CAS	Percent
Phosphoric Acid	7664-38-2	> 20%

Section 4 : First Aid Measures.

4.1 Description of First Aid Measures:

Inhalation: If affected, remove individual to fresh air. If breathing has not returned to normal within a few minutes, seek medical attention.

Eyes: Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. If irritation persists, consult a physician.

Skin: Flush skin with running water for at least 15 minutes. Remove contaminated clothing and shoes. Wash clothing before reuse. If symptoms persist, seek medical attention.

Ingestion: Clean mouth with water and drink afterwards plenty of water. Do NOT induce vomiting. Seek medical attention immediately. Never give anything by mouth to an unconscious person.

4.2 Most Important Symptoms and Effects, Both Acute and Delayed:

Inhalation: Causes respiratory tract irritation when misted or heated to high temperatures.

Eyes: Causes severe irritation, pain and burns with eye damage.

Skin: Causes severe irritation, pain and skin burns.

Ingestion: Causes irritation or burns of digestive tract.

4.3 Special Treatment Needs:

Special Needs: No chronic health information found.

Section 5 : Fire Fighting Measures.

5.1 Extinguishing Media:

Use any means suitable for extinguishing surrounding fire.

5.2 Specific Hazards Arising from the Chemical:

At high temperature, fumes may occur giving off a strong corrosive gas.

5.3 Special Protective Actions for Fire-Fighters:

Cool fire-exposed containers with water spray to prevent container weakening.

Section 6 : Accidental Release Measures

6.1 Personal Precautions, Protective Equipment and Emergency Procedures:

For personal protection see section 8. Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.

6.2 Environmental Precautions:

Prevent spreading over a wide area (e.g. by containment or oil barriers). Do not let product enter drains. Do not flush into surface water or sanitary sewer system.

6.3 Methods and Materials for Containment and Cleaning Up:

Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed. Mixing with water releases heat which can result in violent boiling and spattering. Always add slowly and in small amounts. Never use hot water.

Section 7 : Handling And Storage

7.1 Precautions For Safe Handling:

Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed. Addition to water releases heat which can result in violent boiling and spattering. Always add slowly and in small amounts. Never use hot water.

Hygiene Advice: DO NOT eat, drink, or smoke around chemical.

7.2 Conditions For Safe Storage:

Store in a cool dry ventilated area.

Section 8 : Exposure Controls And Personal Protection

8.1 Control Parameters:

Ingredient Name	CAS	OSHA	ACGIH
Phosphoric Acid	7664-38-2	PEL: 1 Mg/m ³	STEL-TLV: 3 Mg/m ³

8.2 Engineering Controls:

General mechanical ventilation to prevent TLV from exceeding control limits.

8.3 Protection Measures:

- **Individual Protection Measures:** Wear protective clothing to prevent repeated or prolonged contact with product. Protective clothing needs to be selected specifically for the workplace, depending on concentrations and quantities of hazardous substances handled. The chemical resistance of the protective equipment should be enquired at the representative supplier.
- **Hygiene Measures:** Facilities storing or using this material should be equipped with an eyewash station and safety shower. Change contaminated clothing. Preventive skin protection is recommended. Wash hands thoroughly after use, before eating, drinking or using the lavatory and at the end of the workday.
- **Eye/face Protection:** Wear tightly fitting protective goggles.
- **Hand Protection:** Wear gloves recommended by glove supplier for protection against materials in section 3. Gloves must be inspected prior to use. Gloves should be impermeable to chemicals and oil. Breakthrough time of selected gloves must be greater than the intended use period. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product.
- **Other Protective Equipment:** Wear impervious, protective chemical resistant clothing including boots, gloves, lab coat, apron or coveralls as appropriate to the situation to prevent skin contact.

Section 9 : Physical And Chemical Properties

9.1: Information on Basic Physical and Chemical Properties

Appearance: Clear-red liquid

Odor: Mild soap

OdorThreshold:	Not Available
PH:	.5 - 2 @ 10% Solution
Melting_FreezingPoint:	-112 Degrees F / -80 Degrees C
InitialBoilingPoint:	232 Degrees F/ 111 Degrees C @ 760.00 mmHg
FlashPoint:	Does not flash
EvaporationPoint:	(>) 1 Ethyl Ether
Flammability_Solid_Gas:	Not Determined
LowerExplosiveLimit:	Not Determined
UpperExplosiveLimit:	Not Determined
VaporPressure:	15.00 mmHg @ 104 Degrees F / 40 Degrees C
VaporDensity:	Not Determined
RelativeDensity:	Not Determined
Solubility:	Completely miscible
Partition Coefficient: n-octanol/water:	Not Determined
AutoIgnitionTemp:	Not Determined
DecompositionTemp:	Not Determined
Viscosity:	< 10

Section 10 : Stability And Reactivity

10.1 Reactivity:

None

10.2 Chemical Stability:

Stable

10.3 Possibility of Hazardous Reactions:

Polymerization will not occur.

10.4 Conditions to Avoid:

Excessive heat, exposure to moisture.

10.5 Incompatible Materials:

Strong alkalis and oxidizers. Avoid contact with aluminum, brass and soft metals.

10.6 Hazardous Decomposition Position:

Thermal decomposition may yield phosphorus.

Section 11 : Toxicological Information

No further information is available on this product at this time.

Section 12 : Ecological Information

No further information is available on this product at this time.

Section 13 : Disposal Considerations

Collect and add slowly to large volume of agitated solution of soda ash and slaked lime. Add neutralized solution to excess running water in accordance with applicable regulations.

Section 14 : Transport Information

Proper DOT Shipping Name & Number

UN3264, Corrosive Liquid, Acidic, Inorganic, n.o.s., 8, III (Phosphoric Acid)

Section 15 : Regulatory Information

TSCA (Toxic Substance Control Act): All components of this product are listed on the TSCA inventory.

Section 16 : Other Information

Hazardous Material Information System (HMIS)

HEALTH	FLAMMABILITY	REACTIVITY	PERSONAL PROTECTION
2	0	0	C

Release Notes: Initial Release...

Prepared By: Regulatory Department; GL, DL

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For additional information, contact us.

Disclaimer:

Information contained in this SDS refers only to the specific material designated and does not relate to any process or use involving other materials. This information is based on data believed to be reliable, and the Product is intended to be used in a manner that is customary and reasonably foreseeable. Since actual use and handling are beyond our control, no warranty, express or implied, is made and no liability is assumed by Manufacturer or Vendor in connection with the use of this information.