

01 Product Information

Manufacturer's Name Santec Inc.
Address 1420 East Linden Ave, Linden NJ 07036
Phone Number 908-912-2500
Name zero
Generic Name Lime scale remover
Chemical Family N/A
Formula Proprietary

02 Ingredient Information

Chemical Name	CAS No.	WT.%	PEL	TWA-TLV	STEL-TLV
Phosphoric Acid	7664-38-2	20-60	1 ppm	1 ppm	3 ppm

No other hazardous ingredients as per 29 CFR 1910.1200

03 Physical Data

Vapor Pressure 20mm Hg @ 68°F
Solubility in Water Complete
pH 1-1.4
% Volatile > 55
Evaporation Rate (Water=1) <1
Vapor Density (Air=1) >1
Specific Gravity 1.17-1.34
Physical Description Clear, water thin, liquid/mild, acidic odor

04 Fire and Explosion Hazard Data

Flash Point (Method Used) none
Extinguishing Media CO₂, dry chemical, foam, water fog
Special Firefighting Procedures Wear self-contained breathing apparatus in confined areas.
Unusual Fire and Explosion Hazards Fire can cause release of phosphorous oxides and/or phosgene; hydrogen will result from reaction with metals.

05 Reactivity Data

Stability Stable
Hazardous Decomposition Products Phosphorous oxides, phosphine, hydrogen gas
Hazardous Polymerization none
Incompatibility (Materials to avoid) Bases, aluminum, copper, mild steel, brass, and bronze

06 Storage and Handling Information

Keep out of reach of children. For use by trained personnel only. Keep container closed during storage. For institutional and industrial use only. Avoid contact with eyes, skin, and clothing. Wear rubber gloves and protective wear when handling. Avoid breathing vapors. Use in well ventilated area.

07 Health Hazards and First Aid

Effects of Overexposure
Skin: Corrosive. May cause skin burns.
Eyes: Eye irritant. May cause burns or blindness.
Inhalation: May cause irritation or burns to upper respiratory system.
Ingestion: May cause corrosive burns to the mouth, throat, and stomach. Can be fatal if swallowed.

First Aid Procedures
Skin: Flush with soap and water. Seek medical attention if irritation persists.
Eyes: Flush with large quantities of water, holding eyelids open for 15 minutes. Seek medical attention immediately.
Inhalation: Remove to fresh air. Observe for possible delayed reaction, such as breathing difficulty.
Ingestion: Do not induce vomiting. Drink large quantities of water. Seek medical attention immediately.

08 Spill or Leak Procedures

Steps to be taken in case Material is Released or Spilled: Floors will become slippery. Avoid walking in product. Keep unessential personnel away. Mop up or otherwise absorb and hold for disposal. Avoid discharge to sewers or open waterways.

Waste Disposal Method: Any method in accordance with local, state and federal laws. Best method is to recycle or reuse for intended purpose. Consult local authorities for disposal in public sewer. Do not dispose in storm drain, stream, river, or to ground. Rinse container thoroughly before discarding in trash.

09 Special Protection Information

Respiratory Protection

Wear NIOSH approved protective equipment when vapors exceed applicable concentration limits in Section 2 above.

**Ventilation Requirements
Eye Protection**

Provide local exhaust as necessary.

Wear chemical splash goggles and face shield where splashing or spraying is possible.

Protective Gloves

Chemical resistant rubber.

Other Protective Equipment

Chemical suit and rubber boots. Eyewash station should be provided nearby.

10 Regulatory Information

**SARA Title III -
Section 311/312 -
Hazard Categories**

Fire Hazard	NO
Sudden Release of Pressure	NO
Reactivity Hazard	NO
Immediate (acute) Health Hazard	YES
Delayed (chronic) Health Hazard	NO

Shipping Information

Phosphoric Acid Solution, Corrosive 8, UN 1805 PG III

**HMIS Hazardous Materials
Identification System**

Health	2
Reactivity	0
Flammability	0
Personal	C

EMERGENCY PHONE # **Chemtrec 800-424-9300**

11 Other Information

This company cannot anticipate all conditions of handling and use of this product. Therefore, this company accepts no responsibility for results obtained by the application of this information, or the safety and suitability of our products either alone or in combination with other products. It is the responsibility of the user to provide a safe workplace, using the health and safety information contained herein as a guide. This company will accept no liability for damage or loss incurred from the improper handling and use of this product.