

**Safety Data Sheet**  
PT-100

**SECTION I - IDENTIFICATION**

**PRODUCT NAME:** PT-100                      **PRODUCT CODE:** 2890                      **PRODUCT USE:** Tub & Tile Cleaner  
**COMPANY NAME:** QuestSpecialty Corporation    **COMPANY ADDRESS:** P.O. Box 624 Brenham, TX 77834  
**COMPANY PHONE:** 1-800-231-0454                      **EMERGENCY PHONE:** 800-225-3924

**SECTION II – HAZARDS IDENTIFICATION**

**EMERGENCY CLASSIFICATION:** Skin Corrosive: Category 1A; Corrosive to Metals  
**HAZARD STATEMENT: DANGER:** Causes Severe skin burns and eye damage. May be corrosive to metals.



**SYMBOL:**

**SECTION III – COMPOSITION/HAZARDOUS INGREDIENTS**

<b>HAZARDOUS INGREDIENT</b>	<b>CAS NUMBER</b>	<b>PERCENT</b>
Hydrogen Chloride	7647-01-0	.5-1.5%
Phosphoric Acid	7664-38-2	7-13%

**SECTION IV - FIRST AID MEASURES**

**EYES:** Immediately flush with water for 30 minutes while holding eyelids open. Seek immediate medical attention.  
**INGESTION:** Rinse mouth with water. Do not induce vomiting unless directed by medical authority. Seek medical attention.  
**INHALATION:** Move to fresh air. If breathing is difficult, administer oxygen. If not breathing administer artificial respiration or at any sign of loss of consciousness seek immediate medical attention.  
**SKIN:** Immediately wash with water for 15 minutes. Remove contaminated clothing and shoes immediately. Seek immediate medical attention.  
**NOTE TO PHYSICIAN:** The absence of visible signs or symptoms of burns does not reliably exclude the presence of actual tissue damage.

**SECTION V – FIRE-FIGHTING MEASURES**

**FLAMMABLE LIMITS IN AIR, (% BY VOLUME) UPPER:** N/A    **LOWER:** N/A  
**EXTINGUISHING MEDIA:** Use appropriate media for surrounding fire.  
**UNSUITABLE EXTINGUISHING MEDIA:** N/A  
**SPECIAL FIRE FIGHTING PROCEDURES:** Wear NIOSH approved Self Contained Breathing Apparatus with a full face piece operated in a positive pressure demand mode with full body protective clothing when fighting fires. Avoid contact with skin and breathing smoke, fumes, and decomposition products. Cool fire exposed containers with water fog to prevent bursting.  
**UNUSUAL FIRE AND EXPLOSION HAZARDS:** May form oxides of phosphorus.  
**HAZARDOUS COMBUSTION PRODUCTS:** May react with some metals to generate hydrogen gas which can be explosive in air.

**SECTION VI – ACCIDENTAL RELEASE MEASURES**

**SPILL:** Flush with water and neutralize with soda ash and absorb w/ inert material. Do not use combustible material. Dike area to contain spill. Dilute spill with large quantities of water and then neutralize with soda ash and flush to drain.  
**WASTE DISPOSAL:** Dispose of in accordance with federal, state, and local regulations. Do not reuse container, triple rinse container and recycle or place in trash collection. Drums and pails should be offered for recycling.  
**RCRA STATUS:** Waste likely considered Hazardous Waste D002 (Corrosive waste) due to the pH of the solution and the corrosive characteristic.

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**SECTION VII – HANDLING AND STORAGE**

**HANDLING AND STORAGE:** Store in a cool, dry area away from other chemicals. Gloves and clothing to cover exposed skin recommended when handling. Wash clothing after handling avoid extremes of cold and heat. Keep away from children. Avoid contact with metals.

**OTHER PRECAUTIONS:** None

**SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION**

HAZARDOUS INGREDIENT	OSHA PEL	ACGIH TLV
Hydrogen Chloride	5 ppm	2 ppm
Phosphoric Acid	1 mg/m <sup>3</sup>	1 mg/m <sup>3</sup>

**ENGINEERING CONTROLS / VENTILATION:** General ventilation adequate but local exhaust/ventilation preferred.

**RESPIRATORY PROTECTION:** Not required with normal use. Wear NIOSH/MSHA approved respiratory protection if exposure limits are exceeded.

**PROTECTIVE CLOTHING:** Chemical splash goggles and face shield. Wear chemical resistant gloves such as rubber, neoprene gloves, or PVC. Contact your safety equipment supplier. Apron, may wear impervious clothing and boots. Prevent skin contact

**ADDITIONAL MEASURES:** Wash hands thoroughly with soap and water after using. If clothing becomes contaminated remove and wash immediately.

**SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES**

**APPEARANCE:** Yellow Liquid

**ODOR THRESHOLD:** .622 mg/m<sup>3</sup>

**BOILING POINT:** > 212°F (100°C)

**FLASH POINT:** Not Tested

**FLAMMABILITY HIGH:** N/A

**VAPOR DENSITY (AIR=1):** > 1 @ 77°F (25°C)

**SPECIFIC GRAVITY (H<sub>2</sub>O=1):** 1.10 @ 77° F (25° C)

**SOLIDS (%):** Not tested

**VOLATILITY INCLUDING WATER (%):** 100%

**DIELECTRIC STRENGTH (Volts):** N/A

**VISCOCITY:** Not tested.

**ODOR:** Mint scent

**PHYSICAL STATE:** Liquid

**FREEZING POINT:** Not Tested

**FLAMMABILITY LOW:** N/A

**VAPOR PRESSURE (mm Hg):** 17.5 @ 77°F (25°C)

**EVAPORATION RATE:** <0.8

**pH:** 1

**SOLUBILITY IN WATER:** 100%

**VOLATILE ORGANIC COMPOUNDS (VOC):** <1%

**DECOMPOSITION TEMPERATURE:** 158°C (316°F)

**SECTION X – STABILITY AND REACTIVITY DATA**

**REACTIVITY:** Chemically active metals and bases.

**CHEMICAL STABILITY:** Stable

**CONDITIONS TO AVOID:** Extremes of hot and cold. Reacts with metals to liberate hydrogen gas.

**INCOMPATIBILITY:** Strong alkalis, strong oxidizing agents, reducing agents, cyanides, sulfides, sulfites, alkali metals, flourine.

**HAZARDOUS DECOMPOSITION OR BY-PRODUCT:** Some metals can release oxides of phosphorus and release hydrogen gas which can be explosive

**HAZARDOUS POLYMERIZATION:** Will not occur

**SECTION XI – TOXICOLOGICAL INFORMATION**

**TOXICOLOGICAL INFORMATION:** Not Available

**ROUTES OF ENTRY:** Eyes, Ingestion, Inhalation, Skin

**EYES:** Causes severe burns, stinging, redness, tearing, swelling, and may cause corneal damage, blindness. Burning may not be immediately painful or visible.

**INGESTION:** Causes burning of mouth, throat, and digestive tract and may be fatal.

**INHALATION:** Acute exposure may cause nausea, vomiting, coughing and pulmonary irritation.

**SKIN:** Causes burns to all living tissue. Burns may not be immediately painful.

**MEDICAL CONDITION AGGRAVATED:** Asthma, bronchitis, emphysema and other lung diseases and chronic nose, sinus or throat conditions. Skin irritation may be aggravated in individuals with existing skin disorders.

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**CHRONIC HEALTH HAZARDS:** Respiratory Disease and Dermal related medical conditions.

**CARCINOGENICITY:** OSHA: No ACGIH: No NTP: No IARC: No OTHER: N/A

## SECTION XII – ECOLOGICAL INFORMATION

**ECOLOGICAL INFORMATION:** N/A

**BIODEGRADABILITY:** This product is biodegradable.

**BIOACCUMULATION:** This product is not expected to bioaccumulate.

**SOIL MOBILITY:** This product is mobile in soil.

## SECTION XIII – DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL:** Dispose of in accordance with federal, state, and local regulations. Do not reuse container, triple rinse container and recycle or place in trash collection. Drums and pails should be offered for recycling.

**RCRA STATUS:** Waste likely considered Hazardous Waste D002 (Corrosive waste) due to the pH of the solution and the corrosive characteristic.

## SECTION XIV - TRANSPORTATION INFORMATION

**PROPER SHIPPING NAME:** Corrosive Liquid, Acidic, N.O.S.

**HAZARD CLASS/DIVISION:** None

**AIR SHIPMENT**

**PROPER SHIPPING NAME:** Corrosive Liquid, Acidic, N.O.S.

**SHIPPING BY WATER:**

**VESSEL (IMO/IMDG)**

**PROPER SHIPPING NAME:** Corrosive Liquid, Acidic, N.O.S.

## SECTION XV - REGULATORY INFORMATION

**TSCA STATUS:** All Chemicals are listed or exempt.

**CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):** Phosphoric Acid (7664-38-4) -

Reportable Quantity = 5,000 lbs Hydrogen Chloride (7647-01-0) - Reportable Qty. = 5000 lbs.

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

**SARA 313 REPORTABLE INGREDIENTS:** Phosphoric Acid (7664-38-2)

**CLEAN WATER ACT:** None

**STATE REGULATIONS:** California Proposition 65: None

**INTERNATIONAL REGULATIONS:** All components are listed or exempted.

**NFPA HEALTH:** 2

**HMIS HEALTH:** 2

**NFPA FLAMMABILITY:** 0

**HMIS FLAMMABILITY:** 0

**NFPA REACTIVITY:** 1

**HMIS REACTIVITY:** 1

**NFPA OTHER:** N/A

**HMIS PROTECTION:** B

## SECTION XVI - ADDITIONAL INFORMATION

**PREPARATION BY:** Jonathon Jarvis

**DATE PREPARED:** 10/25/2013

**REVISION DATE:** 10/25/2013

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