

## 1. Product and Company Identification

**Product Code:** 303290  
**Product Name:** PI Quat 20  
**Company Name:** Preserve International  
PO Box 17003  
Reno, NV 89511  
**Phone Number:**  
(209)664-1607

**Web site address:** www.preserveinternational.com  
**Emergency Contact:** ChemTEL  
**Information:**  
(800)255-3924  
(209)664-1607

## 2. Hazards Identification

**Skin Corrosion/Irritation, Category 1B**

**Aquatic Toxicity (Acute), Category 1**



**Danger**



**Warning**

**GHS Hazard Phrases:** Causes severe skin burns and eye damage.  
Very toxic to aquatic life.

**GHS Precaution Phrases:** Avoid release to the environment.

**GHS Response Phrases:**

- Collect spillage.
- Do NOT induce vomiting.
- Rinse skin with water/shower.
- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- Remove contact lenses, if present and easy to do. Continue rinsing.
- Immediately call a POISON CENTER or doctor/physician.

Wash contaminated clothing before reuse.

**GHS Storage and Disposal Phrases:** Store locked up.  
Dispose of contents/container as per local regulations.

**Potential Health Effects (Acute and Chronic):**

## 3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration	
68391-01-5	Quaternary ammonium compounds,benzyl-C12-18-alkyldimethyl chlorides {(C12-18) Alkyldimethylbenzyl ammonium chloride}	10.0 %	
85409-23-0	Quaternary ammonium compounds, C12-14-alkyl.-(ethylphenyl)m	10.0 %	
64-17-5	Ethyl alcohol {Ethanol; R-E170, HE-170}	< 1.0 %	

**4. First Aid Measures**

<b>Emergency and First Aid Procedures:</b>	Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.
<b>In Case of Inhalation:</b>	IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.
<b>In Case of Skin Contact:</b>	Take off immediately all contaminated clothing. Rinse skin with water/shower. Call a physician or poison control center immediately. Wash contaminated clothing before reuse.
<b>In Case of Eye Contact:</b>	Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician or poison control center immediately.
<b>In Case of Ingestion:</b>	Call a physician or poison control center immediately. Rinse mouth. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

**5. Fire Fighting Measures****Flash Pt:****Explosive Limits:**

LEL:

UEL:

**Autoignition Pt:****Suitable Extinguishing Media:** Water spray or fog.**Unsuitable Extinguishing Media:**

Do not use water jet as an extinguisher, as this will spread the fire.

**Fire Fighting Instructions:**

Vapors may form explosive mixtures with air.  
Self-contained breathing apparatus and full protective clothing must be worn in case of fire.  
Move containers from fire area if you can do so without risk.  
Use standard firefighting procedures and consider the hazards of other involved materials. Flammable liquid and vapor.

**Flammable Properties and Hazards:****6. Accidental Release Measures**

<b>Protective Precautions, Protective Equipment and Emergency Procedures:</b>	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained.
<b>Environmental Precautions:</b>	Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. Inform appropriate managerial or supervisory personnel of all environmental releases.
<b>Steps To Be Taken In Case Material Is Released Or Spilled:</b>	ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Take precautionary measures against static discharge. Use only non-sparking tools. Use water spray to reduce vapors or divert vapor cloud drift. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Following product recovery, flush area with water. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use.

## 7. Handling and Storage

**Precautions To Be Taken in Handling:** Do not handle, store or open near an open flame, sources of heat or sources of ignition. Explosion-proof general and local exhaust ventilation. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Do not get in eyes, on skin, or on clothing. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices.

**Precautions To Be Taken in Storing:** Store locked up. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in well-ventilated place.

## 8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
68391-01-5	Quaternary ammonium compounds,benzyl-C12-18-alkyldimethyl, chlorides {(C12-18) Alkyldimethylbenzyl ammonium chloride}			
85409-23-0	Quaternary ammonium compounds, C12-14-alkyl.(.ethylphenyl)m			
64-17-5	Ethyl alcohol {Ethanol; R-E170, HE-170}	PEL: 1000 ppm	TLV: 1000 ppm STEL: 1000 ppm	

**Respiratory Equipment (Specify Type):** If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

**Eye Protection:** Goggles or face shield.

**Protective Gloves:** Suitable gloves can be recommended by the glove supplier.

**Other Protective Clothing:**

**Engineering Controls (Ventilation etc.):** Explosion-proof general and local exhaust ventilation. Good general ventilation (typically 10 air changes per hour) should be used. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.

**Work/Hygienic/Maintenance Practices:** When using do not smoke. Keep away from food and drink. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

**9. Physical and Chemical Properties**

**Physical States:**  Gas  Liquid  Solid

**Appearance and Odor:** Colorless to light straw.  
Benzaldehyde-like odor.

**Melting Point:**

**Boiling Point:**

**Autoignition Pt:**

**Flash Pt:**

**Explosive Limits:** LEL: UEL:

**Specific Gravity (Water = 1):** 0.90 - 1.02

**Density:** 7.50 - 8.50 LB/GAL

**Vapor Pressure (vs. Air or mm Hg):**

**Vapor Density (vs. Air = 1):**

**Evaporation Rate:**

**Solubility in Water:** Complete

**pH:** 7.00 - 8.00

**Percent Volatile:**

**10. Stability and Reactivity**

**Stability:** Unstable  Stable

**Conditions To Avoid -** Avoid temperatures exceeding the flash point.

**Instability:**

**Incompatibility - Materials To**

**Avoid:**

**Hazardous Decomposition or** No dangerous reaction known under conditions of normal use.

**Byproducts:**

**Possibility of Hazardous** Will occur  Will not occur

**Reactions:**

**Conditions To Avoid -**

**Hazardous Reactions:**

## 11. Toxicological Information

**Toxicological Information:**

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
68391-01-5	Quaternary ammonium compounds,benzyl-C12-18-alkyldimethyl, chlorides {(C12-18) Alkyldimethylbenzyl ammonium chloride}	n.a.	n.a.	n.a.	n.a.
85409-23-0	Quaternary ammonium compounds, C12-14-alkyl.-(ethylphenyl)m	n.a.	n.a.	n.a.	n.a.
64-17-5	Ethyl alcohol {Ethanol; R-E170, HE-170}	n.a.	1	A4	n.a.

## 12. Ecological Information

**General Ecological Information:**

Environmental: No information available.

Physical: No information available.

Other: Do not empty into drains. An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Harmful to aquatic life.

## 13. Disposal Considerations

**Waste Disposal Method:** Dispose of in a manner consistent with federal, state, and local regulations.

## 14. Transport Information

**LAND TRANSPORT (US DOT):**

**DOT Proper Shipping Name:** Not DOT Regulated.

**DOT Hazard Class:**

**UN/NA Number:**

## 15. Regulatory Information

**EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists**

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
68391-01-5	Quaternary ammonium compounds,benzyl-C12-18-alkyldimethyl, chlorides {(C12-18) Alkyldimethylbenzyl ammonium chloride}	No	No	No
85409-23-0	Quaternary ammonium compounds, C12-14-alkyl.-(ethylphenyl)m	No	No	No
64-17-5	Ethyl alcohol {Ethanol; R-E170, HE-170}	No	No	No

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
68391-01-5	Quaternary ammonium compounds,benzyl-C12-18-alkyldimethyl, chlorides {(C12-18) Alkyldimethylbenzyl ammonium chloride}	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: No; NY Part 597: No; PA HSL: No; SC TAP: No; WI Air: No
85409-23-0	Quaternary ammonium compounds, C12-14-alkyl.-(ethylphenyl)m	CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: No; NY Part 597: No; PA HSL: No; SC TAP: No; WI Air: No
64-17-5	Ethyl alcohol {Ethanol; R-E170, HE-170}	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: Title 8; MA

Oil/HazMat: Yes; MI CMR, Part 5: No; NC TAP: No; NJ EHS: Yes - 0844; NY Part 597: No; PA HSL: Yes - 1; SC TAP: No; WI Air: No

**Regulatory Information:**

P I Quat 20 - This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals.

**DANGER**, Keep Out of Reach of Children. Corrosive. Causes irreversible eye damage and skin burns. Harmful if swallowed or absorbed through the skin. Do not get into eyes, on skin or on clothing. Wear goggles or face shield and rubber gloves and protective clothing when handling. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

Remove contaminated clothing and wash clothing before reuse.

## 16. Other Information

**Revision Date:** 07/15/2015

**Additional Information About****This Product:****Company Policy or****Disclaimer:**

Preserve International believes that the data contained herein is factual and the opinions expressed are those of qualified experts regarding the results of the tests conducted. However, the information presented is not to be taken as a warranty or representation for which Preserve International assumes legal responsibility. This data is offered solely for your information in accordance with applicable Federal, State, and Local laws and regulations.