


**Safety Data Sheet**  
Quaternary 10% Solution

**SECTION I - IDENTIFICATION**

 <b>JEM MFG</b>	JEM MFG LLC 1901 Parrish Drive SE Rome, GA 30161 (706) 232-1709 CHEMTREC :..... (800) 424-9300
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**Product Number** F-410  
**Product Name** Quaternary 10% Solution  
**Chemical Family**  
**CAS Number** Multiple  
**Date Prepared** 6/1/2015  
**Revision Number**

**SECTION II - HAZARDOUS IDENTIFICATION**

**GHS CLASSIFICATION:**

**Classification**

Not a Hazardous Substance or Mixture

No Hazards

**GHS LABEL:**

**Hazard Statements**

NC Not a Hazardous Substance or Mixture

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**Precautionary Statements**

NC Not a Hazardous Substance or Mixture

**SECTION III - COMPOSITION/INFORMATION ON INGREDIENTS**

The precise composition of this product is proprietary information. In the event of a medical emergency, a complete disclosure will be provided to medical personnel.

Component Name	CAS #	Component%	OSHA PEL	ACGIH TLV
Alkyl Dimethyl Benzyl Ammonium Chloride (C12-18)	68391-01-5	5		
Alkyl Dimethyl Ethyl Benzyl Ammonium Chloride (C12-14)	68956-79-6	5		

**SECTION IV - FIRST AID MEASURES**

**Contact with eyes:** Flush with water for 15 minutes. Seek immediate medical attention.

**Skin contact:** Rinse thoroughly with water until soapy feeling disappears.

**Inhalation:** Remove victim to fresh air source. Seek medical attention if necessary.

**Ingestion:** If swallowed. Do not induce vomiting. Seek immediate medical attention.

**SECTION V - FIREFIGHTING MEASURES**

**Suitable Extinguishing Media:** Water fog, foam, CO2, dry chemical.

**Special Fire Fighting Procedures** None.

**Unusual Fire Fighting Hazards:** None.

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**SECTION VI - ACCIDENTAL RELEASE MEASURES**

**Personal Precautions:** Skin: N/A  
Safety glasses.

**Environmental Precautions:** Prevent liquid from entering drains, sewers or waterways.

**Methods for Cleaning Up:** Small Spill: Wipe up or wet vac small spills using proper personal protective equipment.  
Large Spill: Absorb with water soluble media pads and/or booms. Mop, squeegee, or wet vacuum and containerize for proper disposal.

**SECTION VII - HANDLING AND STORAGE**

**Handling and Storage:**

- Avoid contact with eyes.
- Keep from freezing.
- Store in a cool, dry, ventilated area.

**SECTION VIII - PRECAUTIONS TO CONTROL EXPOSURE / PERSONAL PROTECTION**

**EXPOSURE LIMITS:**

Component Name	CAS #	OSHA PEL	ACGIH TLV
Alkyl Dimethyl Benzyl Ammonium Chloride (C12-18)	68391-01-5		
Alkyl Dimethyl Ethyl Benzyl Ammonium Chloride (C12-14)	68956-79-6		

**Engineering Controls:** Adequate local or mechanical to reduce vapor or mist to below the PEL or TLV.

**Monitoring:** Rinse hands thoroughly after use. Launder clothing if contaminated.

**Personal Protective Equipment (PPE)**

**Eye Protection:** Safety glasses.

**Skin Protection:** N/A

**Respiratory Protection:** N/A

**SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES**

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<b>Appearance</b>	Red Clear liquid
<b>Odor</b>	unscented
<b>pH@25°C</b>	6.9
<b>Melting/Freezing Point</b>	
<b>Flashpoint</b>	
<b>Specific Gravity</b>	
<b>Solubility</b>	Complete
<b>Auto-Ignition Temperature</b>	
<b>Decomposition Temperature</b>	
<b>VOC Content</b>	
<b>Odor Threshold</b>	
<b>Boiling Range</b>	212°F
<b>Evaporation Point</b>	Slow
<b>Flammable Limits - Upper</b>	
<b>Flammable Limits - Lower</b>	
<b>Vapor Pressure</b>	
<b>Vapor Density (Air=1)</b>	
<b>Viscosity</b>	

**SECTION X - STABILITY AND REACTIVITY**

**Stability:** Stable, under normal conditions of storage and handling.

**Conditions to Avoid:** None

**Hazardous Decomposition/Byproducts:** None known

**Hazardous Polymerization:** Will not occur.

**Polymerization Conditions to Avoid:** None

**Incompatibilities:** None known

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**SECTION XI - TOXICOLOGICAL INFORMATION**

**Likely Route of Exposure:** Contact and inhalation; ingestion possible.

**Inhalation:** May be irritating to throat.

**Eye Contact:** Mildly irritating.

**Skin Contact:** No harmful effects from skin adsorption are expected.

**Ingestion:** Irritation, possible nausea.

**Toxicity:**

Component Name	LD50	LC50
Alkyl Dimethyl Benzyl Ammonium Chloride (C12-18)		
Alkyl Dimethyl Ethyl Benzyl Ammonium Chloride (C12-14)		

Reproductive Effects	Teratogenicity	Mutagenicity	Embryotoxicity	Sensitization to Product	Synergistic Products
Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable

**SECTION XII - ECOLOGICAL INFORMATION**

**Ecotoxicity:** Information not available.

**Mobility:** Information not available.

**Degradability:** Information not available.

**BioAccumulation:** Information not available.

**SECTION XIII - WASTE DISPOSAL CONSIDERATIONS**

Follow state and local guidelines as they may differ from Federal laws and regulations. If uncontaminated by other products, this product may be disposed of as non-hazardous in the appropriate wastewater treatment facility.

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**SECTION XIV - TRANSPORT INFORMATION**

**DOT SHIPPING INFORMATION**

**Proper Shipping Name:** Not regulated by DOT

**Contains:**

**Hazard Class and Label:**

**Identification Number:**

**Packaging Group:**

**SECTION XV - REGULATORY INFORMATION**

**TSCA STATUS:**.....

**SARA TITLE III SECTION 302/304 EXTREMELY HAZARDOUS SUBSTANCE:**

No chemicals in this material are subject to the reporting requirements.

**SARA TITLE III SECTION 311/312 HAZARD CATEGORIZATION:**

Acute	Chronic	Fire	Pressure	Reactive
X				

**SARA TITLE III SECTION 313 SUPPLIER INFORMATION:**

No chemicals in this material are subject to the reporting requirements.

**CERCLA SECTION 102(a) HAZARDOUS SUBSTANCE:**

No chemicals in this material are subject to the reporting requirements.

**CALIFORNIA PROPOSITION 65:**

No chemicals in this material are subject to the reporting requirements.

**SECTION XVI - OTHER INFORMATION**

**HMIS Health:** ..... 1

**HMIS Flammability:** ..... 0

**HMIS Reactivity:** ..... 0

**Additional:** In case of emergency, call CHEMTREC 800-424-9300

Disclaimer - The information in this SDS is given in good faith, but no warranty expressed or implied is made. JEM MFG LLC assumes no responsibility for personal injury or property damage to vendees, users, or third parties caused by the material. As potential misuse of the material cannot be controlled by the manufacturer, vendees or end users assume all risks associated with the use of the material.

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