

# Safe Foods Corporation

4801 North Shore Drive  
North Little Rock, AR 72118  
501-758-8500



## Cecure<sup>®</sup> 40% Concentrate

Original: 11/15/99  
Revised: 25 March 2013

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### SAFETY DATA SHEET

#### SECTION 1: PRODUCT IDENTIFICATION

Manufacturer: Safe Foods Corporation  
4801 North Shore Drive  
North Little Rock, AR 72118

Information and Emergency Phone during business hours: 501-758-8500

For use only in the event of chemical emergencies involving a spill, leak, fire, or accident with this material: call CHEMTREC at 1-800-424-9300

Trade Name: Cecure<sup>®</sup>  
Chemical Name: Cetylpyridinium chloride in propylene glycol and water  
Synonyms: N/A  
CAS #: Mixture  
Chemical Family: N/A  
Product Code: 60599A  
Produce Use: N/A  
PIN #: None  
WHMIS Class: ~~☞~~ D1A, D2B

Recommended use as an antimicrobial food processing aid for poultry carcasses and parts.

#### SECTION 2: HAZARDS IDENTIFICATION

##### Emergency Overview:

Clear light yellow liquid with a slight odor. Can cause irritation to skin and eyes. Toxic by ingestion. Will release toxic fumes, such as hydrogen chloride, if involved in a fire.

~~☞~~ Breathing mist may cause respiratory tract irritation or serious lung damage.

~~☞~~ In case of fire, use CO<sub>2</sub>, dry chemical, or alcohol foam.

##### Breathing:

~~☞~~ Breathing mist may cause respiratory tract irritation and/or difficulty in breathing.

Prolonged or repeated exposure to mists can cause serious lung damage and may be fatal.

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## SECTION 2: HAZARDS IDENTIFICATION

### Skin Contact:

Can cause severe skin irritation.

### Eye Contact:

Severely irritating to the eyes. Injury may be permanent.

### Swallowing:

Toxic by ingestion.

### Long Term Health Effects:

⚠ Repeated skin contact can cause serious irritation at the site of contact.

⚠ In several studies repeated systemic exposure of animals to cetylpyridinium chloride did not result in significant target organ toxicity. This chemical is not teratogenic, mutagenic, carcinogenic, or toxic to reproduction.

### Conditions Aggravated By Exposure:

Not known.

## SECTION 3: COMPOSITION / INFORMATION ON COMPONENTS

| COMPONENTS                            | CAS #     | WEIGHT %                 |
|---------------------------------------|-----------|--------------------------|
| Propylene glycol                      | 57-55-6   | trade secret information |
| Cetylpyridinium chloride, monohydrate | 6004-24-6 | 1.0% - 40.0%             |

## SECTION 4: FIRST AID MEASURES

### Breathing:

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention.

### Skin:

Immediately flush with large amounts of water for at least 15 minutes. Use soap if available. Remove contaminated clothing, including shoes, after flushing has begun. Get prompt medical attention if symptoms occur. ⚠ Thoroughly wash clothes before wearing again. Thoroughly clean, or discard, shoes.

### Eye:

Immediately flush eyes with plenty of water for at least 15 minutes, holding eyelids apart. ⚠ Get immediate medical attention. If a physician is not available, flush for an additional 15 minutes, and then get medical attention.

N/A = Not Available

⚠ = Revision

**Swallowing:**

⚠ Give several large glasses of milk, or water if not available. Do NOT induce vomiting. Get immediate medical attention. Never give anything by mouth to an unconscious person.

## SECTION 5: FIRE FIGHTING MEASURES

Flash Point: N/A  
Method: N/A  
Lower Explosive Limit: N/A  
Upper Explosive Limit: N/A  
Auto Ignition Temperature: N/A  
Extinguishing Media: CO<sub>2</sub>, dry chemical, alcohol foam

**Firefighting Procedures:**

Evacuate area and fight fire from safe distance. ⚠ Wear pressure-demand self-contained breathing apparatus (NIOSH-approved or equivalent) and full protective gear.

**Special Firefighting Procedures:**

⚠ Can burn in fire releasing toxic and corrosive vapors. As in fire, wear pressure-demand self-contained breathing apparatus (NIOSH-approved or equivalent) and full protective gear.

**Unusual Fire and Explosion Hazards:**

⚠ Emits toxic and corrosive vapors or fumes, such as hydrogen chloride, under fire conditions.

**Sensitivity To Explosion:**

None expected by mechanical impact or static discharge.

**Conditions of Flammability:**

Material may burn, but does not ignite readily.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**General:**

⚠ Wear appropriate protective equipment (See Section 8). Do not get in eyes, on skin, or on clothing. Avoid breathing mists. Minimize entry of material into sewers and drainage systems. Refer to permit discharge limitations if applicable. Isolate spill area, preventing entry by unauthorized persons.

**Small Spill:**

Absorb spill with inert material (e.g., dry sand, earth). Place in an approved chemical waste container.

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## Large Spill:

Shut off leak, if safe to do so. Clean up spills immediately, observing precautions in Protective Equipment section. Contain spilled liquid with sand or earth. Retain all contaminated water for removal and treatment.

## SECTION 7: HANDLING AND STORAGE

### Handling:

⚠ Wear appropriate protective equipment (See Section 8). Do not get in eyes, on skin, or on clothing. Avoid breathing mists. Use with adequate ventilation. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Thoroughly clean, or discard, shoes. Follow all MSDS/label precautions even after container is emptied because it may retain product residues.

### Storage:

Keep container closed when not in use.

## SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure Levels:

None established.

### Engineering Controls:

⚠ Use process enclosures, local exhaust ventilation, or other engineering controls to control sources of mist or vapor.

### Respiratory Protection:

⚠ If operations generate mists or if product is heated, wear a NIOSH approved respirator selected by a technically qualified person for the specific work conditions. Follow respiratory protection program requirements (OSHA 1910.134 and ANSI Z88.2) for all respirator use.

### Eye/Face Protection:

⚠ Wear splash-proof chemical goggles, or safety glasses and face shield.

### Skin Protection:

Use impervious gloves. Use clean protective body-covering clothing and impervious gloves as needed to minimize contact with clothing and skin.

N/A = Not Available

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

|  |                           |
|--|---------------------------|
| Appearance:                                    | Clear light yellow liquid |
| Odor:  | Slight                    |
| Initial Boiling Point:                         | N/A                       |
| Final Boiling Point:                           | N/A                       |
| Specific Gravity (Relative to Water):          | 0.9923                    |
| Vapor Density (Relative to Air):               | N/A                       |
| Vapor Pressure (mm Hg):                        | N/A                       |
| pH:  | N/A                       |
| Solubility in Water:                           | Soluble                   |
| Freezing/Melting Point:                        | N/A                       |
| Octanol/Water Partition Coefficient:           | N/A                       |
| Odor Threshold:                                | N/A                       |
| Viscosity:                                     | N/A                       |
| Evaporation Rate (Relative to n-Butylacetate): | N/A                       |

## SECTION 10: STABILITY AND REACTIVITY

Stable:

Yes

Strong Oxidizer:

No

Hazardous Polymerization:

Not prone to hazardous polymerization.

Incompatibility:

Strong oxidizing agents, acids, acid anhydrides, acid chlorides.

Conditions to Avoid:

Avoid exposure to incompatible materials and heat.

Hazardous Decomposition Products:

Carbon monoxide, nitrogen oxides, and hydrogen chloride.

## SECTION 11: TOXICOLOGICAL INFORMATION

Toxicology: ~~☒~~ No information for product.

Cetylpyridinium Chloride (CAS # 123-03-5):

~~☒~~ Acute

Oral LD<sub>50</sub> in rats, mice and rabbits: 125-680 mg/kg.

4 hr. Inhalation LC<sub>50</sub> in rats: 0.09 mg/l.

Severe eye and skin irritant.

Does not cause dermal sensitization (skin rash).

~~☒~~ Chronic

Mutagenicity tests indicate that this chemical is not mutagenic.

Does not cause reproductive toxicity or express anti-fertility activity.

A developmental toxicity test in rats found no treatment – related anomalies.

## SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicological Information:

Not available.

Chemical Fate:

Not available.

## SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal:

Dispose of in accordance with all federal, state, and local regulations.

Container Disposal:

~~☒~~ Follow all MSDS/label precautions even after container is emptied because it may contain product residues. Dispose of in accordance with all federal, state, and local regulations.

## SECTION 14: TRANSPORT INFORMATION

**DOT Shipping Name:** Not Regulated

**Hazard Class:**

**Packing Group:**

**UN/NA No.:**

**DOT Labels:**

**Subsidiary Label:**

**DOT Placards:**

**IMO Shipping Name:** Not Regulated

**Hazard Class:**

**Packing Group:**

**UN No.:**

**IMO Labels:**

**Subsidiary Label:**

**IATA Shipping Name:** Not Regulated

**Hazard Class:**

**Packing Group:**

**UN No.:**

**IATA Labels:**

**Subsidiary Label:**

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## SECTION 15: REGULATORY INFORMATION

SARA 311/312 Chronic Health Hazard: No  
SARA 311/312 Acute Health Hazard: Yes  
SARA 311/312 Fire Hazard: No  
SARA 311/312 Sudden Pressure: No  
SARA 311/312 Reactivity Hazard: No

### Section 302 Extremely Hazardous:

| Ingredients | CAS # | Weight % | TPQ |
|-------------|-------|----------|-----|
| ** None **  |       |          |     |

### CERCLA Hazardous Substances:

| Ingredients | CAS # | Weight % | RQ |
|-------------|-------|----------|----|
| ** None **  |       |          |    |

### Section 313 Toxic Chemicals:

| Ingredients | CAS # | Weight % |
|-------------|-------|----------|
| ** None **  |       |          |

### NJ Environmental Hazardous Substance List:

| Ingredients | CAS # | Weight % |
|-------------|-------|----------|
| ** None **  |       |          |

### California Proposition 65 Ingredients:

| Ingredients | CAS # | Weight % |
|-------------|-------|----------|
| ** None **  |       |          |

### TSCA:

Cetylpyridinium chloride is listed on the TSCA inventory under the anhydrous form, CAS # 123-03-5. Propylene glycol is listed on the TSCA inventory.

### Canadian DSL/EINECS:

Cetylpyridinium chloride is listed as the anhydrous form, CAS # 123-03-5, on the Canadian Domestic Substances List (DSL) and the European Inventory of Existing Commercial Chemical Substances (EINECS). Propylene glycol is listed on the DSL and EINECS.

### Canadian WHMIS:

⚠ This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations. This product meets hazard class criteria D1A and D2B.

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## SECTION 16: OTHER INFORMATION

| NFPA Hazard Ratings: |      | HMIS Hazard Ratings: |   |
|----------------------|------|----------------------|---|
| Health:              | 3    | Health:              | 3 |
| Fire:                | 1    | Fire:                | 1 |
| Reactivity:          | 0    | Reactivity:          | 0 |
| Specific Hazard:     | None |                      |   |

CONTACT: Bruce Smith

04/07/03 Revisions are indicated by ✎

### NOTE:

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