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#### 4. FIRST AID MEASURES

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##### EYE CONTACT

Rinse eyes with water. Remove any contact lenses, and continue flushing eyes with running water for at least 15 minutes. Hold eyelids apart to ensure rinsing of the entire surface of the eyes and lids with water. Seek medical attention if irritation develops or persists.

##### SKIN CONTACT

Stop use and ask a doctor if irritation or redness develops, or if condition persists for more than 72 hours.

##### INHALATION

Remove from area to fresh air. Seek medical attention if respiratory irritation develops or if breathing becomes difficult.

##### INGESTION

Give 3-4 glasses of water, but **DO NOT** induce vomiting. If vomiting occurs, give fluids again. Get medical attention to determine whether vomiting or evacuation of stomach is necessary. Do not give anything by mouth to an unconscious or convulsing person.

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#### 5. FIRE FIGHTING MEASURES

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Flash Point and Method: >200°F (PMCC)

##### GENERAL HAZARD

This product is not combustible.

##### EXTINGUISHING MEDIA

Use media suitable for the material that is burning.

##### SPECIAL FIRE FIGHTING INSTRUCTIONS

Move containers from area if it can be done without risk. Cool fire-exposed containers with water from side.

##### FIRE FIGHTING EQUIPMENT

As in any fire, wear NIOSH/MSHA approved, pressure-demand self-contained breathing apparatus and full protective gear.

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#### 6. ACCIDENTAL RELEASE MEASURES

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Spill area will be slippery. Wear appropriate protective equipment (See Section 8).

Absorb spills with vermiculite, fuller's earth, or sand. Shovel up and place in a non-metal waste container for disposal. Dike large spills with soil or sandbags to contain it and prevent its spread.

Prevent liquid from entering sewers or waterways.

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#### 7. HANDLING AND STORAGE

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##### HANDLING

Wear appropriate protective equipment (See Section 8).

##### STORAGE

Keep container tightly closed. Keep away from heat, and sunlight. Storage temperature range: 5-30°C. If material freezes, gently thaw prior to use. Mild agitation may be required.

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#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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##### ENGINEERING CONTROLS

In applications where the product will be exposed to elevated temperatures, use local ventilation to remove potential decomposition products.

##### PERSONAL PROTECTION FOR BULK HANDLING

Respirator:	In operations where mists are generated, wear a NIOSH/MSHA approved respirator that has been selected by a technically qualified person for the specific work conditions.
Eye Protection:	Wear safety glasses with side shields or goggles.
Gloves:	Wear natural rubber gloves.
Clothing:	Normal working clothing is generally adequate.
Other:	Eye wash; safety shower.

##### EXPOSURE LIMITS

No limits established for this product

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

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State..... Liquid solution  
Viscosity ..... Low viscosity  
Color..... Water white to straw  
Odor ..... Mild  
Melting Point °C..... NA  
Freezing Point °C ..... ND  
Boiling Point °C..... 100°C  
Weight per Gallon..... 8.3 lb/gal  
Specific Gravity @20°C ..... 1.00±0.02  
Water Solubility..... Soluble  
pH ..... 5.0-8.0

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**10. STABILITY AND REACTIVITY**

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**REACTIVITY**

Stable

**INCOMPATIBILITIES**

None known.

**HAZARDOUS DECOMPOSITION PRODUCTS**

Oxides of Carbon and Nitrogen on combustion.

**CONDITIONS TO AVOID**

Avoid contact with heat.

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**11. TOXICOLOGICAL INFORMATION**

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Acute Oral LD<sub>50</sub> (OPPTS 870.1100) ..... >5,000 mg/kg; Toxicity Category IV  
Acute Dermal LD<sub>50</sub> (OPPTS 870.1200) ..... >2,000 mg/kg; Toxicity Category IV  
Inhalation LC<sub>50</sub>..... No data

Acute skin irritation (OPPTS 870.2500)..... Mild skin irritant, PII 0.13; Toxicity Category IV  
Acute eye irritation (OPPTS 870.2400) ..... Mild eye irritant; Toxicity Category III

Skin sensitization (OPPTS 870.2600) ..... Not a sensitizer

**GENOTOXICITY/MUTAGENICITY**

For Benzalkonium chloride:

Ames test (Salmonella sp.) ..... Not mutagenic with or without metabolic activation.

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**12. ECOLOGICAL INFORMATION**

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EC<sub>50</sub> (Bacterium toxicity )..... No data  
LC<sub>50</sub> (Daphnia)..... No data

BOD ..... No data  
COD ..... No data

Heavy metals..... No data

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**13. DISPOSAL CONSIDERATIONS**

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RCRA Waste Code: Not regulated under RCRA, 40 CFR 261

Products: Keep away from natural water sources. Observe all applicable federal, state, and local regulations.

Empty packaging: Remove all residue when emptying.

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**14. TRANSPORTATION INFORMATION**

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DOT Hazard Classification: Non-Hazardous, not regulated

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**15. REGULATORY INFORMATION**  
**(Not meant to be all-inclusive, selected regulations represented)**

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**OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200)**

Hazardous     Non-Hazardous

**CERCLA/SUPERFUND (40 CFR 117, 302)**

This product does not contain any chemicals subject to the reporting requirements of SARA Section 313.

**SARA EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355)**

This product does not contain any chemicals subject to the reporting requirements of SARA Section 313.

**SARA HAZARD CATEGORIES (40 CFR 370)**

Acute     Chronic     Fire     Pressure     Reactive     None

**SARA TOXIC SUBSTANCES (40 CFR 372)**

This product does not contain any chemicals subject to the reporting requirements of SARA Section 313.

**TOXIC SUBSTANCES CONTROL ACT**

For FDA/COSMETIC Use Only.

**STATE REGULATIONS**

None listed.

**HARMONIZED TARIFF SCHEDULE CODES**

US Census Bureau Schedule B 2008: 3401.30.1000

Departmental Consolidation of the *Customs Tariff* 2008 (Canada): 3401.30.1000

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**16. OTHER INFORMATION**

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**ABBREVIATIONS**

C:	Ceiling limit	N/A:	Not Applicable	N/D:	Not determined
N/E:	Not established	N/K:	Not known	RQ:	Reportable quantity
TPQ:	Threshold Planning Quantity				

**Date Prepared: 5/5/2015**

**Supersedes Date: 11/5/2014**

**Prepared by: SDS Coordinator**

**Reasons for Revision: Review and Update**

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