

1. IDENTIFICATION AND GENERAL INFORMATION		
P/N#:	3001	NFPA Code
Nomenclature:	Alcohol Free Towelettes	H 0
Company Name:	Allegro Industries	F 0
Address:	7221 Oranewood Avenue	R 0
	Garden Grove, CA 92841	O None
	714-899-9855	
	Chemtrac: 800-424-9300	

2. COMPOSITION	
Chemical Name:	Benzalkonium Chloride
Chemical Family:	Amide Salt
Synonyms:	BTC. Zephiran Chloride
Ingredient:	Benzalkonium Chloride
Molecular Weight:	N/A
Molecular Formula:	C ₆ H ₅ CH ₂ (CH ₃) ₂ R+C ₁ -R=C ₆ H ₁₇ TO C ₁₆ H ₃₇
CAS Number:	8001-54-5
Percent:	0.13%

3. HAZARDS IDENTIFICATION	
Physical Dangers:	None Known
Chemical Dangers:	None Known
Routes of Exposure:	Inhalation, adbsorption, ingestion.
Target Organs:	None
Health Hazards:	
Inhalation:	Fumes may be harmful.
Skin Contact:	May cause burns, and may be absorbed through skin.
Eye Contact:	May cause eye irritation if splashed.
Ingestion:	Toxic, do not ingest. Contains Benzalkonium Chloride.
Chronic Exposure:	None Known
Acute Exposure:	None Known
Aggravation of Pre-Ex.Cond:	None Known

4. FIRST AID MEASURES	
Inhalation:	Fresh Air.
Skin Contact:	Wash with soap and water.
Eye Contact:	Rinse thoroughly with cool water. If irritation persists consult a physician.
Ingestion:	Get medical attention.

5. FIRE FIGHTING MEASURES	
Fire Hazards:	None
Fire Extinguisher:	Water, CO2, Dry Chemical
Explosion:	None
Flash Point:	250 °C
Volatile (% by volume):	N/A
Exp. Limits (Vol % in air):	N/A
Auto Ignition Temperature:	N/A
Special Fire Fighting Proc:	None
PPE for Fire Fighters	Full Facepiece, Pressure Demand SCBA
Notes:	Flammable Limits (ASTM D93-78)

6. ACCIDENTAL RELEASE MEASURES	
Procedure for spill/leak:	Rinse & dilute with water.
Waste Disposal:	Dispose of in accordance with current laws and regulations.

7. HANDLING AND STORAGE	
Storage:	Store in tight containers in a cool dry place away from light and heat. Store at room temperature.
Self Life:	3 Years
PPE:	Use Safety goggles and gloves if handling in large quantities.
Notes:	None

MATERIAL SAFETY DATA SHEET

8. EXPOSURE CONTROLS

PPE:	Use appropriate PPE when handled in large quantities.
Inhalation:	Harmful by inhalation.
Skin:	Avoid prolonged contact with skin. Use protective gloves.
Eye:	If eye splash is possible wear splash proof glasses.
Ingestion:	Toxic, do not ingest.
Ventilation:	Adequate ventilation.
Engineering Controls:	N/A
Work/Hygienic Practices:	Wash hands after use.
Exposure Limits:	N/A
Chemical:	Benzalkonium Chloride
TLV (ACGIH TLV):	N/A
PEL (OSHA PEL):	N/A
Control Parameter:	N/A

9. PHYSICAL AND CHEMICAL PROPERTIES

Color/Appearance/Odor:	Colorless liquid, faint medicinal odor.
Boiling Point	212 °F
Melting Point	N/A
Specific Gravity (H ₂ O=1):	0.999
Refractive Index:	N/A
Relative Density:	N/A
Evaporative Rate:	N/A
Water Content:	99.87 %
Vapor Density (Air-1):	N/A
Vapor Pressure:	23.8 (mm Hg)
Solubility in Water:	Very Soluble

10. STABILITY AND REACTIVITY

Conditions to avoid:	None Known
Materials to avoid	None Known
Hazardous Decomposition:	Will not occur

11. TOXICOLOGICAL INFORMATION

Health effects:	Corrosive, toxic- causes burns. Harmful by inhalation, ingestion and through skin contact. May cause reproductive defects. May act as a mutagen.		
Oral-RAT LD50:	240 mg kg ⁻¹	Oral-WMN LD50: 266 mg kg ⁻¹	IPN-RAT LD50 14.5 mg kg ⁻¹
Dermal LD50:	N/A		
Human Lethal Dose:	N/A		
Notes:	Not listed by OSHA, NTP or IARC as a Carcinogen		

12. ECOLOGICAL INFORMATION

None Available.

13. DISPOSAL CONSIDERATIONS

Refer to Local, State and Federal laws and regulations.

14. TRANSPORT INFORMATION

Proper shipping name:	Disinfectant
Transport Emergency Card:	N/A
Packing Group:	III
UN Number:	N/A
Reportable Quantity	N/A
Notes:	UN Hazard Class: 8

15. REGULATORY INFORMATION

TSCA Registered:	No	RTECS:	N/A
FDA Approved:	No		
ICSC:	N/A		

16. OTHER INFORMATION

None

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