

Safe n' Easy Clean-Up Kit  
700-CLUPKI #3 of 3 MSDSs

DEPARTMENT OF LABOR  
Occupational Safety and Health Administration

MATERIAL SAFETY DATA SHEET

Required under OSHA Safety & Health Regulations for Ship Repairing,  
Shipbuilding and Shipbreaking (29 CFR 1915, 1916, 1917)

SECTION I

THE CLINIPAD CORPORATION  
66 High Street  
Guilford, CT 06437

PRODUCT NO: 3912 2395 2595

Chemical Name & Synonyms: Benzalkonium Chloride U.S.P. .5 oz. 0.13%  
Trade Name & Synonyms: BTC, Zephrian Chloride

Chemical Family: Amide Salt

Formula:  
 $C_{12}H_{25}CH_2N(CH_3)_3R^+Cl^-$   
R =  $C_6H_{13}$  to  $C_{16}H_{33}$

Prepared by: *Z.P. Mart.* Date: *3/23/87*

Hazardous mixtures of other Liquids, Solids or Gases % TLV Unit  
N/A

SECTION III - PHYSICAL DATA

Boiling Point (°F)	212	Specific Gravity (H <sub>2</sub> O=1)	0.999
Vapor Pressure (mm Hg)	23.8	Percent Volatile by Volume (%)	99.9
Density (Air=1)	0.997	Evaporation Rate (IPA=1)	0.11
Solubility in Water	Very soluble		
Appearance & Odor	Colorless liquid, faint medicinal odor		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (method used)	>175° (ASTM D93-78)	Flammable Limits	L <sub>1</sub>	U <sub>1</sub>
Extinguishing Media: Water, CO <sub>2</sub> , Dry Chemical			N/A	N/A
Special Fire Fighting Procedures	None			
Unusual Fire and Explosion Hazards	None			

Section V — Reactivity Data

Stability	Unstable	Conditions to Avoid
	Stable	X

Incompatibility (Materials to Avoid) ANIONIC SURFACTANTS, SOAPS

Hazardous Decomposition or Byproducts N/A

Hazardous Polymerization	May Occur	Conditions to Avoid
	Will Not Occur	X

Section VI — Health Hazard Data

Route(s) of Entry: Inhalation? Skin? IRRITANT Ingestion? LOW TOXICITY

Health Hazards (Acute and Chronic) EYE SPLASH - IRRIGATE EYES WITH COPIOUS AMOUNTS OF WATER. SKIN CONTACT - WASH AREA WITH WATER. INGESTION: CONSULT PHYSICIAN

Carcinogenicity: NTP? IARC Monographs? OSHA Regulated?

COMPONENTS NOT CONSIDERED CARCINOGENS  
Signs and Symptoms of Exposure SKIN IRRITATION

Medical Conditions Generally Aggravated by Exposure N/A

Emergency and First Aid Procedures SEE ABOVE

Section VII — Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled  
SOAK UP WITH ABSORBENT. DISCARD IN WASTE CONTAINER. FLUSH WITH WATER

Waste Disposal Method  
LARGE SPILLS: CONTAIN TO PREVENT DISCHARGE INTO ENVIRONMENT.  
NON-HAZARDOUS WASTE

Precautions to Be Taken in Handling and Storage  
STORE IN COOL, DRY PLACE AWAY FROM SOURCES OF IGNITION AND HEAT

Other Precautions

Section VIII — Control Measures

Respiratory Protection (Specify Type) N/A

Ventilation	Local Exhaust PROVIDE FOR ADEQUATE AIR MOVEMENT	Special
	Mechanical (General)	Other

Protective Gloves ALCOHOL RESISTANT Eye Protection SAFETY GLASSES

Other Protective Clothing or Equipment N/A

Work/Hygienic Practices WASH HANDS AFTER USE