

**METRO SUPPLY
COMPANY**8997 Timmons Circle
Villa Rica, GA

RISK N.F.P.A.

4.- Extreme

3.- High

2.- Moderate

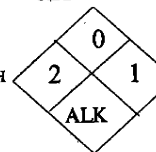
1.- Light

0.- Without risk

FLAMMABILITY

HEALTH

REACTIVITY



SPECIAL

MATERIAL SAFETY DATA SHEET**FOR EMERGENCY ASSISTANCE INVOLVING CHEMICALS CALL - CHEMTEL Inc (800) 255-3924**

Material: ARTIC	Classification: Liquid laundry detergent	Date: Feb-03	Code:
Formula: Nonionic & anionic surfactant mixture	Chemical Name and Synonymous Chemical blend.	D.O.T. SHIPPING INFORMATION: NA	

I.- HAZARDOUS INGREDIENTS

NA

II.- PHYSICAL AND CHEMICAL CHARACTERISTICS

Appearance: Clear pale yellow to yellow liquid	Boiling Point <200 °F
Odor: Characteristic odor.	
pH solution 1% in H ₂ O: 11.5 - 12.0	
Vapor Pressure 20 °C (mm Hg) Not determined	Vapor Density (Air = 1) Not determined
	Evaporation Rate (Butyl Acetate = 1) Not applicable
Melting Point / Freezing Point. (°C) Not determined	Specific Gravity (H ₂ O = 1) 1.07 - 1.12
	% Volatile by weight: Not applicable
	Solubility in water: Soluble

III.- FIRE AND EXPLOSION HAZARD DATA

Flash Point & Method Used: Not applicable	Flammable limits in air, % by vol. Lower: Not applicable	Flammable limits in air, % by vol. Upper: Not applicable
Auto-Ignition Temperature (°C) Not applicable	Dust: N/A	Explosion, minim concentration. (O ₂ /Cu Ft) Not applicable
		Ignition energy (Millijoules) Not applicable

Extinguishing Media.
 Foam "Alcohol" Foam. CO₂ Water Other Dry Chemical
 Not applicable Sand

Special Fire Hazard: None

Fire Fighting Methods: Product does not support combustion.

Time - weighed average. Concentrations for up a 8 - hour workday during a 40 - hour work - week.
Not determined**Signs and Symptoms of Exposure:**

- a) Inhalation.- Possible irritation to the nose.
b) Contact.- Eyes.- Contact may cause varying degrees of irritation and burns, depending on the length of exposure.
Skin.- May cause irritation and burns, depending on the length of exposure.
c) Ingestion.- May cause nausea, vomiting, diarrhea, and damage to internal organs.

Emergency first aid procedure:

- Inhalation: Immediately remove victim to fresh air.
Contact: Eyes.- Immediately flush eyes with plenty of cool water for at least 15 minutes. Get medical attention immediately. Skin.- Immediately flush skin with plenty of water while removing contaminated clothing. Wash contaminated clothing before reuse.
Ingestion: Do not induce vomiting. If victim is conscious and able to swallow, promptly have victim drink large amounts of water, followed by lemon juice. Never give anything by mouth if the victim is unconscious or having convulsions. Call a physician immediately.

V.- REACTIVITY DATA

Stability: ARTIC	<input checked="" type="checkbox"/> Stable <input type="checkbox"/> Unstable	Conditions to Avoid: Open containers, hot rooms, and spills.
Hazardous Decomposition or Byproducts: Decomposition by fire may produce COx and SOx.		
Hazardous Polymerization:	<input type="checkbox"/> May Occur <input checked="" type="checkbox"/> Will Not Occur	Conditions to Avoid.
Incompatibility (Materials to Avoid): <input type="checkbox"/> Water <input checked="" type="checkbox"/> Other Avoid contact with acids, strong oxidizing - reducing agents, solvents, cationic surfactants, hydrocarbons, and halogens.		

VI.- PRECAUTIONS FOR SAFE HANDLING AND USE:

Step to be taken in case materials is released or spilled: Stop spill immediately, isolate the area, contain spilled material, collect using absorbent media (sand or sawdust). Transfer to secure containers. Wash the area with water to eliminate residues.
Waste Disposal Method: Dilute with plenty of water, neutralize to pH 7.0 and dispose in conformance with all applicable local, state and federal laws and regulations, and in conformance with good engineering practices. Avoid contamination of aquatic resources. The product can be dangerous to aquatic life.

VII.- CONTROL MEASURES.

Ventilation: Always handle in adequate ventilation.				
Respiratory Protection Not necessary.				
Protective Gloves: Neoprene or rubber	Eye protection: Wear chemical splash goggles or safety glasses where there is a potential for eye contact.			
Other Protective Clothing or Equipment: In case of incidental contact have fresh water available for rinsing.				
Storage: 12 Months	Inside: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> Not	Hot Rooms: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> Not	Refrigerate: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> Not	Outer: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> Not
Storage - Temperature Maxim. 122°F	Minim. 41°F	General Storage Observations. Store in dry and fresh atmosphere, under roof. Keep container closed while not in use. Keep out of reach of children, the mentally ill, individuals and foods. Alkaline product.		
Preventive Etiquette: Industrial use.				

Metro Supply Company	Villa Rica, Ga Address
Michael Thomas Prepared By	Michael Thomas Authorization

ADVISE.-

The information presented herein is believed to be factual as it has been derived from the works and opinions of persons believed to be qualified experts; however, nothing contained in this information is to be taken as a warranty or representation for which METRO SUPPLY COMPANY bears legal responsibility. The user should review any recommendations in the specific context of the Intended use to determine whether they are appropriate.