

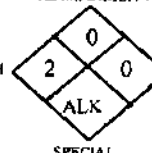
**EUROCHEM INTERNATIONAL  
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RISK N.F.P.A.

- 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 - CHEMTREC (800) 424-9300**

Material: <b>ARROW</b>	Classification: <b>Detergent General Purpose</b>	Date: May-03	Code:
Formula: Mix of non-ionic and anionic surfactants	Chemical Name and Synonymous Chemical blend.	D.O.T. SHIPPING INFORMATION NA	

**I.- HAZARDOUS INGREDIENTS**

NA			
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**II.- PHYSICAL AND CHEMICAL CHARACTERISTICS**

Appearance:	Yellow to reddish liquid	Boiling Point	
Odor:	Characteristic lemon odor.	198 - 212 °F	
pH solution 1% :	8.0 - 9.0		
Vapor Pressure 20 °C (mm Hg)		Vapor Density ( Air = 1 )	Evaporation Rate ( Butyl Acetate = 1 )
Not determined		Not determined	Not determined
Melting Point / Freezing Point. (°C)	Specific Gravity ( H <sub>2</sub> O = 1 )	% Volatile by weight:	Solubility in water:
Not determined	1.03 - 1.06	Not applicable	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 <sub>2</sub> /Cu Ft) Not applicable		Ignition energy (Millijoules) Not applicable
Extinguishing Media.				
<input type="checkbox"/> Foam <input type="checkbox"/> "Alcohol" Foam. <input checked="" type="checkbox"/> CO <sub>2</sub> <input checked="" type="checkbox"/> Water <input type="checkbox"/> Other <input checked="" type="checkbox"/> Dry Chemical				
<input type="checkbox"/> Not applicable				

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.- May cause nose irritation.  
b) Contact.- Eyes.- Contact may cause varying degrees of irritation, depending on length exposure.  
Skin.-May cause minor irritation.  
c) Ingestion.- May cause nausea, vomiting and diarrhea.

**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: If victim is conscious and able to swallow, promptly have victim drink large amounts of water or milk and induce vomiting. Never give anything by mouth if the victim is unconscious or having convulsions.  
Call a physician immediately.

**V.- REACTIVITY DATA**

Stability: <b>ARROW</b>	<input checked="" type="checkbox"/> Stable <input type="checkbox"/> Unstable	Conditions to Avoid: Open containers, hot rooms and spill.
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 and alkalyne products.		

**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 and dispose in conformance with all applicable local, state and federal laws and regulations, and in conformance with good manufacturing practices.

**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
Storage - Temperature Maxim. Minim.		General Storage Observations.  Store in dry and fresh atmosphere, under roof. Keep container closed while not in use. Keep out of reach of children, mentally ill individuals and from foods.	
Preventive Etiquette:			

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Company	Address
Gwen Winston	<i>Gwen Winston</i>
Prepared By	Authorization

**ADVISE.-**

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