

# Material Safety Data Sheet

**Product:** Aluminum Clean  
& Bright



**File Number:** 150

**MSDS Date:** 01/11/2010

## Section I

<b>Manufacturer:</b> Tate Soaps & Surfactants, Inc.	<b>Emergency Telephone Number:</b> Call CHEMTREC (800) 424-9300
<b>Address:</b> 1500 N. Webster St. Kokomo, Indiana 46901	<b>Telephone Number for Information:</b> PH: (765) 868-4488 FX: (765) 868-4489

## Section II - Hazard Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	CAS No.	ACGIH TLV	OSHA PEL	% Wt
Citric Acid	77-92-9			>5%
Phosphoric Acid	7664-38-2			20-25%

## Section III - Physical/Chemical Characteristics

<b>Boiling Point (°F)</b>	268	<b>Specific Gravity (H<sub>2</sub>O = 1)</b>	1.16
<b>Vapor Pressure (mm Hg.)</b>	0.19	<b>Melting Point (°F)</b>	N/A
<b>Vapor Density (AIR = 1)</b>	1.3	<b>Evaporation Rate (Butyl Acetate = 1)</b>	.43
<b>Solubility in Water</b>	Complete		
<b>Appearance and Odor</b>	Translucent pink color, dry organic scent.		

## Section IV - Fire and Explosion Hazard Data

<b>Flash Point (°F, Method Used)</b>	N/A	<b>Flammable Limits</b>	N/A
<b>Extinguishing Media</b>	Water Spray, Water Fog		
<b>Special Fire Fighting Procedures</b>	None Non-Combustible		
<b>Unusual Fire and Explosion Hazards</b>	None Non-Combustible		

## Section V - Reactivity Data

Notes: N/A – Not Applicable    NDA – No Data Available

<b>Stability</b> Stable	<b>Conditions to Avoid</b> Keep from freezing. Store at room temperatures. Avoid damage to containers in handling.
<b>Incompatibility (Materials to Avoid)</b>	Strong reducing agents.
<b>Hazardous Decomposition or Byproducts</b>	Carbon oxides, sulfur oxides, ethylene oxides
<b>Hazardous Polymerization</b>	Will Not Occur

### Section VI - Health Hazard Data

<b>Route(s) of Entry:</b>	<b>Inhalation:</b> N/A	<b>Skin:</b> Yes	<b>Ingestion:</b> Yes
<b>Health Hazards (Acute and Chronic):</b> Irritant also possible, skin absorbency factor. Will cause gastrointestinal upset if ingested.			
<b>Carcinogenicity:</b> None		<b>OSHA Regulated:</b> N/A	
<b>Medical Conditions Generally Aggravated by Exposure.</b> May irritate skin, irritant to eyes. Will cause gastrointestinal upset if ingested.			
<b>Emergency and First Aid Procedures:</b> Eyes – Flush with cool water for at least 15 minutes. Get medical attention immediately. Skin – Wash with soap and water. Remove contaminated clothing. Ingested – Do not induce vomiting. Dilute by drinking water or milk. Get medical attention immediately.			

### Section VII - Precautions for Safe Handling and Use

<b>Steps to Be Taken in Case Material is Released or Spilled</b> Small spills may be flushed down sewage drain with plenty of water. Large spills should be absorbed with fuller earth type absorbent and placed in container for disposal.
<b>Waste Disposal Method:</b> Waste disposal should be consistent with all local ordinances.
<b>Handling &amp; Storing:</b> Do not freeze, keep at room temperature. Avoid damage to container.

### Section VIII - Control Measures

<b>Respiratory Protection (Specify Type)</b> None required under normal use.	
<b>Ventilation:</b> Normal	
<b>Protective Gloves:</b> Neoprene, Nitrile	<b>Eye Protection:</b> Splash goggles
<b>Other Protective Clothing or Equipment:</b> N/A	

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