

# MATERIAL SAFETY DATA SHEET

ARCOT Manufacturing Corporation  
2950 Mowery Road  
Houston, Texas 77045-4809

Emergency Telephone:  
(713) 413-9700  
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SECTION I				
<b>Product Identity (Name / Number)</b>		DISH BRITE Machine Dishwashing Detergent / 9703 & 9703+		
<b>Chemical Family</b>		Alkaline Cleaner. Corrosive liquids, n.o.s. (contains Potassium hydroxide, solution), 8, UN1760, PGII. CORROSIVE.		
SECTION II - Hazardous Ingredients				
Hazardous Components	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Potassium Hydroxide	2 mg/m <sup>3</sup>	2 mg/m <sup>3</sup>	2 mg/m <sup>3</sup>	Proprietary
SECTION III - Physical & Chemical Characteristics				
<b>Boiling Point</b>	Above 212°F	<b>Specific Gravity</b>	1.1	
<b>Vapor Pressure (mm Hg)</b>	N/A	<b>Melting Point</b>	N/A	
<b>pH</b>	13	<b>Evaporation Rate (Ethyl Ether=1)</b>	Less than 1	
<b>Solubility in Water</b>	Complete	<b>Appearance / Odor</b>	Red or Amber Liquid / Mild	
SECTION IV - Fire & Explosion Hazard Data				
<b>Flammable Limits (Explosive Limit)</b>	<b>Upper:</b>	N/A	<b>Lower:</b>	N/A
<b>Flash Point (Method Used)</b>	N/A			
<b>Extinguishing Media</b>	Material is non-flammable. Water spray, foam, carbon dioxide, or dry chemical may be used for surrounding fires.			
<b>Special Fire Fighting Procedures</b>	Product is not flammable. Wear full protective clothing. Contact of this product with water causes an exothermic reaction.			
<b>Unusual Fire and Explosion Hazards</b>	Avoid contact with aluminum, zinc, tin and their alloys since product reacts with these metals generating hydrogen gas which is flammable and/or explosive when ignited. Do not mix with strong acids to prevent violent or explosive reaction.			
SECTION V - Reactivity Data				
<b>Stability:</b>	<b>Unstable</b>		<input checked="" type="checkbox"/> <b>Stable</b>	
<b>Hazardous Polymerization:</b>	<input checked="" type="checkbox"/> <b>Will Not Occur</b>	<input type="checkbox"/> <b>May Occur</b>		
<b>Conditions To Avoid</b>	Excessive heat and contamination of any kind. See Special Precautions.			
<b>Incompatibility (Materials to Avoid)</b>	Acids and combustible materials. Also see Section IV. Avoid contact with trichloroethylene, leather, wool, organic halogen compounds, organic nitro compounds, metals such as aluminum, tin, zinc, brass and bronze.			
<b>Hazardous Decomposition or Byproducts</b>	Flammable hydrogen gas will be liberated on contact with some metals such as aluminum.			

**SECTION VI(a) - Health Hazard Data**

<b>Inhalation</b>	Highly CORROSIVE. Breathing causes serious damage to nasal and respiratory passages. Breathing high concentrations may result in death.
<b>Eye</b>	Even slight contact of the liquid with eyes will result in irritation and severe burns. Prolonged contact may cause permanent eye injury and blindness. Treat immediately.
<b>Skin</b>	Product is corrosive and will cause skin burns. Treat immediately.
<b>Ingestion</b>	Swallowing will result in severe damage to mucous membranes. Ingestion may cause intense pain, nausea, vomiting and collapsing.

**Reported As Potential Carcinogen or Carcinogen**

	<b>International Agency for Research on Cancer</b>	X	<b>Not Applicable</b>
	<b>National Toxicology Program</b>		<b>OSHA</b>

**SECTION VI(b) - First Aid Procedures**

<b>Inhalation</b>	Remove victim to fresh air. If not breathing, perform artificial respiration. Get medical attention.
<b>Eye</b>	Immediately flush eyes with plenty of water for at least 15 minutes, while holding eyelids open. Get medical attention.
<b>Skin</b>	Wash thoroughly with water for at least 15 minutes. Remove contaminated clothing and shoes. Get medical attention.
<b>Ingestion</b>	DO NOT induce vomiting. Give large quantities of water if conscious and alert. Follow by administering milk. Get medical attention.

**SECTION VI(c) - Employee Protection**

**Respiratory Protection (Utilize NIOSH approved respirators. Refer to manufacturer's protection factors and OSHA standard 1910.134 as a guideline.)** CORROSIVE. If TLV of product is exceeded, use NIOSH approved respirator, fully enclosed.

**SPECIAL PROTECTION INFORMATION:**

<b>EYE</b>	Chemical safety goggles or full face shield required. Do not wear contact lenses if eye contact is possible.
<b>SKIN</b>	Chemical resistant gloves required, natural and butyl rubber gloves suggested.
<b>VENTILATION</b>	Provide sufficient mechanical ventilation to maintain exposure below TLV's.
<b>SPECIAL PROTECTION</b>	Impervious clothing and boots may be worn to prevent skin contact. Showers and eyewash facilities should be in close proximity.

**SECTION VII - Special Precautions**

<b>Handling and Storage</b>	Store in cool, dry, well-ventilated area away from incompatible materials (see Section V). Excessive heat may cause pressure build-up. Keep container tightly closed. Do not use pressure to empty container. Wash thoroughly after handling. Empty containers retain <u>hazardous</u> product residue; handle accordingly.
<b>Other Precautions</b>	Addition of water releases heat which may result in boiling or splattering. Always add small amounts of material to water. Do not add water to material.

**SECTION VIII - Environmental Protection**

<b>Spills / Releases</b>	Trained personnel wearing protective equipment should contain spill. Extinguish all ignition sources. Neutralize with dilute acid. Scoop up into DOT-approved waste containers and wash site. Keep out of sewers, storm drains, surface waters and soil. Notify authorities for spills of 1,000 Lb. or more.
<b>Waste Disposal Method</b>	Neutralize with dilute acid. Dispose of in accordance with applicable local, state and federal regulations.

**DISCLAIMER** The information contained herein is based upon data available to us and reflects our best professional judgment. Since it is impossible to anticipate the conditions under which our products may be used, we cannot guarantee that the recommendations will be adequate for all individuals and situations. Each user of this product should determine the suitability of the product for his particular purpose and should comply with all federal, state and local regulations. Our goal is to manufacture products with zero or minimal hazards. Our products are improved daily as up-to-date information and research is received from our suppliers to use products with less or no hazards. Please feel free to contact us for current information.