

# MATERIAL SAFETY DATA SHEET

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

Emergency Telephone: (713) 413-9700  
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**DISCLAIMER** The information contained herein is based upon data available to us and reflects our best professional judgement. 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.

SECTION I				
<b>Product Identity (Name / Number)</b>		ANTI-CHLOR / 2476		
<b>Chemical Family</b>		Alkaline Powder.		
		NFPA Ratings: Health=1, Flammability=0, Reactivity=0. Not Regulated by DOT		
SECTION II - Hazardous Ingredients				
Hazardous Components	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
None Known				
SECTION III - Physical & Chemical Characteristics				
<b>Boiling Point</b>	N/A	<b>Specific Gravity</b>	1.7	
<b>Vapor Pressure (mm Hg)</b>	Not Applicable	<b>Melting Point</b>	48°C (118°F)	
<b>pH</b>	8	<b>Evaporation Rate (Ethyl Ether=1)</b>	Not Applicable	
<b>Solubility in Water</b>	Soluble	<b>Appearance / Odor</b>	White granules with no odor	
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>	Material is not flammable.			
<b>Extinguishing Media</b>	Choose extinguishing agent most suitable for type of surrounding fire.			
<b>Special Fire Fighting Procedures</b>	Firefighters should wear self-contained, NIOSH-approved breathing apparatus to protect against any release of toxic and/or irritating fumes. Skin and eye protection should be provided. Use water spray to keep fire-exposed containers cool and to knock down fumes.			
<b>Unusual Fire and Explosion Hazards</b>	If involved in a fire, toxic and irritating gases and residue may evolve.			
SECTION V - Reactivity Data				
<b>Stability:</b>	<b>Unstable</b>		X	<b>Stable</b>
<b>Hazardous Polymerization:</b>	X	<b>Will Not Occur</b>	<b>May Occur</b>	
<b>Conditions To Avoid</b>	N/A			
<b>Incompatibility (Materials to Avoid)</b>	<u>Strong oxidizers</u> : cause vigorous exothermic reactions. <u>Acids</u> : release sulfur dioxide and/or hydrogen sulfide gas. Water-reactive materials such as sodium: cause strong exothermic reaction with the hydrate. Violent reaction with <u>sodium nitrite</u> when water of crystallization has been driven off by heating.			
<b>Hazardous Decomposition or Byproducts</b>	Oxides of Sulfur and Hydrogen Sulfide. Sulfur dioxide gas is toxic and corrosive. Sodium sulfide residue is flammable, a dangerous fire risk and a strong irritant to skin and tissue.			

Hydrogen sulfide gas is toxic.

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

**Inhalation** Contact with acids releases sulfur dioxide and/or hydrogen sulfide gas which may be harmful or deadly if inhaled. Breathing product dust or mist may irritate respiratory tract.

**Eye** Dust, solutions, or mist may irritate or burn the eyes and cause temporary conjunctivitis.

**Skin** Dust or mist may cause irritation from prolonged contact. Aqueous solutions may cause irritation from repeated or prolonged contact.

**Ingestion** Relatively low in acute toxicity but may cause irritation of the gastrointestinal tract.

**Reported As Potential Carcinogen or Carcinogen**

**International Agency for Research on Cancer**

X Not Applicable

**National Toxicology Program**

OSHA

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

**Inhalation** Remove from exposure to fresh air. If short of breath, give oxygen, provided a qualified operator is available. If symptoms persist, get medical attention.

**Eye** Flush eyes with plenty of water for 15 minutes. If irritation persists, get medical assistance.

**Skin** Wash with soap and water, then flush with water until all chemical is removed. Remove contaminated clothing and wash before reuse.

**Ingestion** If conscious and alert, promptly give 2 to 4 glasses of large quantities of water and induce vomiting by touching finger to back of throat. If symptoms develop, 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.)** During prolonged use or if dust is produced, dust masks are recommended.

**SPECIAL PROTECTION INFORMATION:**

**EYE** If eye contact is possible, wear chemical safety goggles. Do not wear contact lenses.

**SKIN** For routine product-handling or use, wear full work clothing, including long sleeved shirt and trousers. Wear protective cotton gloves to minimize skin contact. For solutions, wear impervious gloves and apron. If contact is repeated or prolonged, wear full impervious clothing.

**VENTILATION** Provide local exhaust if dusty or misty conditions prevail, and if there should be a release of sulfur dioxide gas. Keep incompatible materials out of hoods, ducts, etc.

**SPECIAL PROTECTION** Provide eyewash facilities convenient to area of use or handling.

**SECTION VII - Special Precautions**

**Handling and Storage** Store in dry, cool area, away from acids or oxidizers. Keep container closed when not in use and protect from physical damages.

**Other Precautions** Contact with acids releases irritating sulfur dioxide gas. When dissolving and making solutions, add to water cautiously and with stirring as solutions can get hot and may spatter.

**SECTION VIII - Environmental Protection**

**Spills / Releases** Promptly shovel or sweep up the dry chemical into an empty container with a minimum of dusting. Cover and store as above. Cautiously spray residue with plenty of water to complete clean-up.

**Waste Disposal Method** Dispose of in accordance with applicable local, state and federal regulations.