

# MATERIAL SAFETY DATA SHEET

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

Emergency Telephone:  
(713) 413-9700  
Date Prepared: 04/21/2009

SECTION I				
<b>Product Identity (Name / Number)</b>		ON-GUARD Concentrated Liquid Starch / 9524 (& other versions of 9524)		
<b>Chemical Family</b>		Concentrated Liquid Starch for Laundry/Cleaning Chemical		
SECTION II - Hazardous Ingredients				
Hazardous Components	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Proprietary Formula  (non-hazardous, non-corrosive, non-toxic, non-flammable)	NE	NE		Proprietary
NFPA & HMIS: Health: 1 Fire: 0 Reactivity: 0				
Not regulated by DOT.				
Not classified as hazardous by OSHA.				
SECTION III - Physical & Chemical Characteristics				
<b>Boiling Point</b>	212°F	<b>Specific Gravity</b>		1.1
<b>Vapor Pressure (mm Hg)</b>	NE	<b>Melting Point</b>		NE
<b>pH</b>	5	<b>Evaporation Rate (Ethyl Ether=1)</b>		< 1
<b>Solubility in Water</b>	Dispersible	<b>Appearance / Odor</b>		White or pale blue liquid / Negligible or pleasant
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>		Water fog; foam; CO <sub>2</sub> ; dry chemical.		
<b>Special Fire Fighting Procedures</b>		Fire fighters should be equipped with self-contained breathing apparatus and full fire fighting protective clothing. Containers of this material may build up pressure if exposed to heat. Use water spray to cool fire-exposed containers.		
<b>Unusual Fire and Explosion Hazards</b>		Product will not burn unless evaporated to dryness. Irritating and toxic gases, vapors and dusts may be generated and released during combustion.		
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>		Excess heat. Freezing temperatures.		
<b>Incompatibility (Materials to Avoid)</b>		Substances which react with water.		
<b>Hazardous Decomposition or Byproducts</b>		Thermal decomposition may produce various hydrocarbons and irritating vapors.		

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

<b>Inhalation</b>	May be irritating.
<b>Eye</b>	May be irritating.
<b>Skin</b>	Contact may irritate the skin. Prolonged or repeated contact may cause dermatitis (inflammation).
<b>Ingestion</b>	May be irritating.

**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 to fresh air. If not breathing, administer artificial respiration and seek immediate medical attention.
<b>Eye</b>	Immediately flush eyes with large amounts of clean water for at least 15 minutes and seek immediate medical attention.
<b>Skin</b>	Wash with soap and water. Remove contaminated clothing. If irritation persists, seek medical attention.
<b>Ingestion</b>	If victim is conscious and alert, give two glasses of water or milk to drink. Get prompt 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.)** If TLV of hazardous ingredient is exceeded, use NIOSH approved respirator, fully enclosed

**SPECIAL PROTECTION INFORMATION:**

<b>EYE</b>	Use safety glasses with side shields if eye contact is possible.
<b>SKIN</b>	Wear chemical resistant gloves to avoid prolonged or repeated skin contact.
<b>VENTILATION</b>	Local ventilation is sufficient for normal use. Avoid breathing vapors.

**SPECIAL PROTECTION****SECTION VII - Special Precautions**

<b>Handling and Storage</b>	Store in moderate temperatures. Open containers in well ventilated area. Avoid breathing vapors (built up inside containers). Keep containers closed when not in use.
<b>Other Precautions</b>	Avoid extreme temperatures. Protect from freezing.

**SECTION VIII - Environmental Protection**

<b>Spills / Releases</b>	Contain and collect in containers for approved disposal. Prevent contaminating soil, storm or sanitary sewers, drainage systems and waterways.
<b>Waste Disposal Method</b>	Dispose in accordance with federal, state and local regulations. Disposal of this product is not regulated by RCRA.

**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.