

**Kardol Quality Products**  
285 S. West Street  
Lebanon, Ohio 45036  
513-933-8206 Fax: 513-932-6900

**MATERIAL SAFETY DATA SHEET**  
# 502710, 502720 & 502726  
Trade Name: MICROBALLOONS

**Section 1: Composition / Information on Ingredients**

Hazardous Component	CAS #	Weight Percent	Occupational Exposure Limits			Vapor PI@ Temp MM Hg
			OSHA PEL	ACGIH TLV	Other	
Phenolic resin	9003-35-4	100 %				

**Section 2: Physical & Chemical Properties**

**Appearance & Odor:** Red brown, fine powder, odorless  
**pH:**  
**Vapor Pressure (mm Hg.):**  
**Vapor Density (AIR = 1):**  
**Evaporation Rate (Butyl Acetate = 1):**  
**Boiling Point:** Does not boil  
**Melting Point:** Does not melt  
**Freezing Point:**  
**Solubility in Water:** Not soluble in water  
**Specific Gravity or Density (H<sub>2</sub>O = 1):** 0.20 to 0.80  
**Material VOC:**

**Section 3: Fire & Explosion Hazard Data**

**Flash Point:**  
**Flammability Limits:**  
**Extinguishing Media:**  
**Special Fire Fighting:** Apply alcohol type or all-purpose type foams by manufacturers recommended techniques for large fires. Use carbon monoxide or dry chemical media for small fires. Do not direct a solid stream of water or foam into burning molten material; this may cause spattering and spread of fire.  
**Unusual Fire and Explosion Hazard:** Avoid dispersion of dust in air to reduce potential of dust ignition/explosion.

**Section 4: Reactivity Hazard Data**

**Stability:** Stable  
**Conditions to Avoid:** None known  
**Avoid:** dispersion of dust in air.  
**Hazardous Decomposition:** Carbon monoxide, carbon dioxide, formaldehyde and phenol derivatives upon decomposition.

## Section 5: Health Hazard Data

**Inhalation Risks and Symptoms of Exposure:** Upper respiratory tract signs/symptoms may include sneezing, cough, and nasal discharge.

**Skin and Eye Contact Health Risks and Symptoms:** Mechanical eye irritation. Signs and symptoms may include pain, redness and tears.

**Carcinogenicity:** NTP Carcinogen: IARC Monographs: OSHA Regulated: YES

**Medical Conditions Generally Aggravated by Exposure:**

### EMERGENCY FIRST AID PROCEDURE:

**Eye Contact:** Immediately flush eyes with water and continue for several minutes. Obtain medical attention if discomfort persists.

**Skin Contact:** Remove contaminated clothing. Wash skin with soap and water. Obtain medical attention if irritation persists. Wash clothing before reuse.

**Inhalation:** If signs and symptoms develop, remove person to fresh air. If signs or symptoms persist, obtain medical attention.

**INGESTION:** Do not induce vomiting unless instructed to so by medical personnel. Unless unconscious, give victim lots of water. Obtain medical attention.

## Section 6: Control and Protective Measures

**Respiratory Protection:** Dust respirator, if dusting occurs

**Ventilation:** Special, local ventilation in areas where containers are opened and their containers are discharged or in any areas where dusting conditions may occur.

**Protective Gloves:** General working gloves are acceptable.

**Eye Protection:** Safety glasses

**Other Protective Clothing:**

**Work/Hygienic Practices:**

**Section 7: Precautions for Safe Handling & Use**

**IN CASE OF SPILL:** Ventilate with fresh air. Collect as much of the spilled material as possible. Use wet sweeping or water to avoid dusting. Collect and place in a closed container.

**WASTE DISPOSAL:** Dispose as approved by your state regulations.

**Other Precautions:** (Caution) May undergo spontaneous smoldering if stored or heated in bulk above 35c under conditions allowing air ingress to the product. Store package material in a cool, well-ventilated area. Do not store in the sun. Do not dry in package; use special drying instructions as below. Mcrospheres will undergo oxidation at elevated temperatures. Due to the microspheres' excellent insulation characteristics, the internal temperature of the mass can increase to the point where spontaneous ignition and smoldering can occur. The temperature at which this occurs is a function of the geometry, amount of material being heated and available oxygen. Smoldering appears as a soft glow similar to burning charcoal.

**DOT**  
**Shipping Name:**  
**Liquid Cleaning Compound**  
**N.O.I**

**HAZARD INDEX**  
**Health:**  
**Flammability:**  
**Reactivity:**

**24 HOUR EMERGENCY NUMBER**  
**1-800-424-9300**

**KEEP OUT OF REACH OF CHILDREN!!!!**