

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

**MATERIAL SAFETY DATA SHEET**  
# 502712  
Trade Name: Q-Cells

**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):** 0.20 -0.80

**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):**

**Material VOC:**

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

**Flash Point:**

**Flammability Limits:**

**Extinguishing Media:** Apply alcohol type or all-purpose type foams by manufacturers recommended techniques for large fires.

**Special Fire Fighting:** 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:** strong acids and base, halogens, acyl halides

**Hazardous Decomposition:** Carbon monoxide, carbon dioxide, formaldehyde and phenol derivatives upon decomposition.

## Section 5: Health Hazard Data

**Inhalation Risks and Symptoms of Exposure:** Material may contain trace amount (>0.001%) of free formaldehyde, which is listed by IARC, NTP and OSHA as a carcinogen. There should be minimal risk when adequate ventilation is used due to the very low formaldehyde concentration.

**Skin and Eye Contact Health Risks and Symptoms:** May cause irritation, experienced as stinging with excessive blinking and tear production.

**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 do so by medical personnel. Unless unconsciously, give victim lots of water. Obtain medical attention.

## Section 6: Control and Protective Measures

### Respiratory Protection:

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

### Protective Gloves:

### Eye Protection:

**Other Protective Clothing:** Wear suitable 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 ducting. 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.

**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!!!!**