

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

**MATERIAL SAFETY DATA SHEET**

**# 505501 & 505521**

**Trade Name: Battleship Gray Polyester Based Universal Pigment**

**Section 1: Material Identification**

Chemical Name	CAS #	Weight Percent	Occupational Exposure Limits			Vapor PI@ Temp MM Hg
			OSHA PEL	ACGIH TLV	Other	
Titanium Dioxide	13463-67-7	< 34 %	N/A	N/A		
Carbon Black	1333-86-4	< 5 %	N/A	N/A		
Pigment Proprietary	N/A	< 3 %	N/E	N/E		
Polyester Resin	N/A	> 58 %	N/E	N/E		

**Section 2: Physical & Chemical Properties**

Boiling Point:	N/A
Vapor Density:	N/A
Evaporation:	N/A
Vapor Pressure:	N/A
Specific Gravity:	1.5
Appearance & Odor:	Gray thick syrup / Characteristic
Solubility in Water:	Very Slightly

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

Flash Point:	N/A
PH:	
Flammability Limits:	UEL N/A, LEL N/A
Extinguisher Media:	CO2, Foam, or Dry Chemical
Special Fire Fighting:	May emit toxic fumes under fire conditions; use NIOSH approved self contained breathing apparatus with full face piece.
Unusual Fire Hazard:	Empty containers may contain fumes, cool with water.

**Section 4: Reactivity Hazard Data**

Stability:	Stable, will not undergo hazardous polymerization.
Conditions to Avoid:	
Avoid:	Avoid contact with strong acids, bases, or other reactive chemicals.
Hazardous Decomposition:	Carbon monoxide, carbon dioxide, various hydrocarbons

**Section 5: Health Hazard Data**

**Inhalation Risks and Symptoms of Exposure: Non Hazardous Product; Avoid eye and skin exposure, do not ingest**

**Skin and Eye Contact Health Risks and Symptoms:**

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

**Carcinogenicity:** Based on the International Agency for Research on Cancer (IARC) conclusion that there is sufficient evidence in experimental animals for the carcinogenicity of carbon black dust and inadequate evidence of carcinogenicity in humans, IARC's overall evaluation is that carbon black dust is possibly carcinogenic to humans (Group B). Consult IARC's Monograph Volume 65. The results of the working group were based on studies involving the inhalation of carbon black and other insoluble fine dust particles. Other routes of entry were not received as part of this study. This dispersion contains carbon black in a "wet out" form and does not pose an inhalation hazard. Good hygiene practices should be followed to minimize exposures to any respirable dusts. The study findings produced results consistent with that massive accumulation of fine dust particles in the lung which overwhelm the natural lung clearance mechanisms, known as the "lung overload" phenomenon, rather than from a specific chemical effect of the dust particle in the lung. Carbon black has not been listed as a carcinogen by the National Toxicology Program (NTP) or the Occupational Safety and Health Administration (OSHA). The National Institute of Occupational Safety and Health (NIOSH) criteria document on carbon black recommends that only carbon blacks with a PAH level greater than 0.1 % be considered suspect carcinogens.

**Medical Conditions Generally Aggravated by Exposure:**

**EMERGENCY FIRST AID PROCEDURE:**

**Eye Contact:** Avoid eye contact, may cause irritation. If exposed to eyes, wash with copious amounts of water. If irritation persists, contact a physician.

**Skin Contact:** Avoid skin contact, may cause irritation. If exposed to skin, wash with soap and water.

**Inhalation:** Avoid inhalation of product. If inhaled, move to fresh air.

**INGESTION:** Do not ingest product, may cause gastric irritation. If ingested, contact a physician.

**Section 6: Control and Protective Measures**

**Respiratory Protection:** A NIOSH/MSHA-approved respirator as necessary

**Ventilation:** Adequate ventilation

**Protective Gloves:** Permeation resistant gloves

**Eye Protection:** Safety glass or goggles

**Other Protective Clothing:**

**Work/Hygienic Practices:**

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

**IN CASE OF SPILL:** Absorb with sand or other absorbent material. Shovel into sealable container for disposal. Wear protective equipment.

**WASTE DISPOSAL:** Do not discharge into waterways or sewer systems. Spilled material, empty containers, and unused contents must be disposed of in accordance with applicable Federal, State, and Local regulations.

**Other Precautions:**

<b>DOT</b>	<b>Not DOT Regulated</b>	<b>HAZARD INDEX</b>
<b>Shipping Name:</b>		<b>Health: 1</b>
<b>Liquid Cleaning Compound</b>		<b>Flammability: 0</b>
<b>N.O.I</b>		<b>Reactivity: 0</b>

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

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