

MATERIAL SAFETY DATA SHEET

Chemical Name: Proprietary
Chemical Family: Polyoxy ployylene glycol Based Pigment Ink
Chemical Formula: Proprietary

SECTION 2 HAZARDOUS INGREDIENTS/HAZARD DATA

Hazardous Ingredients	CAS No.	OSHA PEL	ACGIH TLV	Wt%
Carbon Black	1333-86-4	3.5mg/m ³	3.5mg/m ³	8-10
Polyoxy propylene glycol	25322-69-4	Not Established	Not Established	90-92

SECTION 3 PHYSICAL DATA

Boiling Point(760 mmHg): Not Established
Vapor Pressure(mmHg at 20□): <0.1
Vapor Density(Air=1): Not Measured
Percent Volatile By Weight: <1%
Specific Gravity: Not Established
Melting Point(□): Not Established
Solubility In Water: Insoluble
Evaporation Rate(Butyl Acetate=1): Not Established
Appearance and Odor: Black Liquid and Slightly Characteristic Odor

SECTION 4 FIRE & EXPLOSION HAZARD DATA

Flash Point(□): >202
Explosion limits(Vol %): LEL: Not Established UEL: Not Established
Extinguishing Media: Dry Chemical, Carbon Dioxide
Special Fire Fighting Precautions: Firefighters should be equipped with self-contained breathing apparatus and turn out gear. Use water to keep containers cool and flush spills away from the source of ignition
Auto ignition Temperature(□): N/A
List Hazardous Decomposition Products: CO, CO₂, NO_x
Other Advice: None

SECTION 5 REACTIVITY DATA

Stability: Stable
Condition to Avoid: Excessive heat, Open flames
Incompatibility(Materials to avoid): N/A
Hazardous Polymerization: Will not occur.

SECTION 6 HEALTH HAZARDS

1. Acute: Not Established
2. Chronic: Not Established
Signs and Symptoms of Overexposure:
Inhalation: Not valuable information.

Eyes: May cause moderately severe irritation such as pain.
Skin: May cause irritation.
Ingestion: Not valuable information
Medical Conditions Generally Aggravated by Exposure: Not valuable information
Chemical Listed as Carcinogen: Carbon Black is classified into 2B of IARC.
Emergency and First Aid Procedures:
Routes of Entry Emergency Procedures
Inhalation: Remove to fresh air. Give artificial respiration if not breathing. Get immediate medical attention.
Eyes: Flush eyes with generous amounts of water for at least 15 minutes. Get immediate medical attention.
Skin: Wash affected areas with water while removing contaminated clothing.
Ingestion: Dilute with water and immediately contact a physician. Never give fluids or induce vomiting if victims are unconscious.

SECTION 7 ENVIRONMENTAL DATA

Environmental Toxicity Data: Not valuable information.
Special Precautions to Be Taken in Handling and Storage: Avoid contact with eyes. Avoid prolonged or repeated skin contact. Store in cool, well-ventilation area.
Other Precautions: None
Steps to Be Taken in Case Material is Released or Spilled: Spills should be contained, solidified, and be placed in suitable containers for disposal in a RCRA licensed facility.
Waste Disposal Method: Incinerate in a RCRA licensed facility. Do not discharge into waterways or sewer systems without proper authority.
Container Disposal: Empty containers must be disposed in a RCRA licensed facility.

SECTION 8 SPECIAL PROTECTION INFORMATION

Respirator Protection: NIOSH/MSHA-approved organic vapor respirator when vapors are generated above the permissible limit.
Ventilation: Recommended to provide adequate ventilation with local exhaust.
Skin and eye Protection: Wear chemical goggles, gloves, coveralls, apron, and boots.
Work/Hygienic Practices: Shower after handling this product. Clean clothing should be worn daily.

To the best our knowledge, the information contained here is accurate. However, neither CRI2000, L.P. nor any subsidiaries assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any materials is the sole responsibility of the user. All materials may present unknown hazards and should be used in hazards, which exist.

Regulatory information with regard to this substance in your country or in your region should examine by your own responsibility.