

MATERIAL SAFETY DATA SHEET

Prepared to U.S. OSHA, CMA, ANSI and Canadian WHMIS Standards

PART I *What is the material and what do I need to know in an emergency?*

1. PRODUCT IDENTIFICATION

TRADE NAME (AS LABELED): 4609 Black

SYNONYM/CHEMICAL CLASS: Solution of dyes

PRODUCT USE: Ink Jet Printing Ink

MANUFACTURER'S NAME: Digital Design, Inc.
ADDRESS: 67 Sand Park Road
Cedar Grove, NJ 07009

BUSINESS PHONE: 1-973-857-9500

EMERGENCY PHONE: 1-800-255-3924 (Chem-Tel Inc.)

DATE OF PREPARATION: March 24, 2008

HMIS Codes	
HEALTH (BLUE)	1
FLAMMABILITY (RED)	0
REACTIVITY (YELLOW)	0

2. COMPOSITION, INFORMATION ON HAZARDOUS INGREDIENTS

CHEMICAL FAMILY	CAS #	% w/w	EXPOSURE LIMITS IN AIR (ppm)					OTHER
			ACGIH		OSHA			
			TLV	STEL	PEL	STEL	IDLH	
Glycol Ether	1569-01-3	< 5	N/L	N/L	N/L	N/L	N/L	N/L

N/L = Not Listed

3. HAZARD IDENTIFICATION

This product is not a flammable liquid.

POTENTIAL HEALTH EFFECTS FROM ACUTE AND CHRONIC EXPOSURE

Inhalation: Inhalation of this material may cause respiratory irritation and can be prevented by wearing proper respiratory equipment. Vapor concentration should be limited to 300 ppm (daily TWA). Inhalation of higher concentrations may cause central nervous system depression – characterized by headache, nausea, and/or vertigo. Though single exposure to fumes may cause no harmful effects, repeated daily exposures may cause illness.

Contact with Skin or Eyes: Due to the colorant components, skin contact will cause discoloration of the skin and may be removed by washing. Contact may also cause slight irritation of the skin. Contact with the eyes will cause irritation and may impair vision by staining the eye.

Ingestion: Ingestion of this material may stain the mouth and esophagus and may cause irritation of the upper gastrointestinal tract, which can cause difficulty in swallowing. Ingestion may also result in similar effects to those caused by inhalation. Minute amounts aspirated into the lungs during ingestion or vomiting may cause pulmonary injury.

PART II *What do I do if a hazardous situation occurs?*

4. FIRST-AID MEASURES

Inhalation: Remove victim to fresh air, and get medical aid immediately. If breathing has ceased, apply artificial respiration with oxygen and a suitable mechanical device such as a bag and a mask. Do NOT use mouth-to-mouth resuscitation.

Eyes: Flush eyes with plenty of water for at least 15 minutes. Get medical aid as a precautionary measure. Do NOT allow victim to rub or keep eyes closed.

Skin: If spilled on skin or eyes, immediately wash it off with running water. Remove contaminated clothing, taking care not to contaminate the eyes. Victims must seek immediate medical attention if any symptoms of irritation develop

Ingestion: If chemical is swallowed, seek medical attention. If professional advice is not available and victim is conscious and alert, give two to four cups of milk or water. Do not induce vomiting.

Victims of chemical exposure should be taken for medical attention if symptoms of exposure develop. Take copy of label and MSDS to physician or health professional with victim.

5. FIRE-FIGHTING MEASURES

FLASHPOINT C (method): >70 °C (Seta flash, closed-cup)

AUTO-IGNITION TEMPERATURE: >200 °C

FIRE EXTINGUISHER MATERIALS AND METHODS: Take precautionary action against electrostatic discharge. Vapors may be ignited by pilot lights, other flames, sparks, heaters, smoking, electric motors, static discharge, other ignition sources at locations distant from material handling point. Product can accumulate static charges, which can cause an incendiary electrical discharge.

Carbon Dioxide: OK

Water Spray: OK

Alcohol Foam: OK

Dry Chemical: OK

SPECIAL FIRE FIGHTING PROCEDURES: wear a self-contained breathing apparatus with a full face piece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment. Refer to the personal protective equipment section of this MSDS.

UNUSUAL FIRE AND EXPLOSION HAZARDS: When subjected to prolonged high temperatures or burning, this product will emit fumes containing carbon monoxide, nitrogen oxides and carbon dioxide. Closed containers may rupture (due to build up of pressure) when exposed to extreme heat. This product's vapor is combustion sensitive to static discharge.

6. ACCIDENTAL RELEASE MEASURES

SPILL AND LEAK RESPONSE: For incidental spills, use professional equipment such as rubber gloves and rubber apron, splash goggles or safety glasses. Trained personnel that use pre-planned procedures should respond to uncontrolled or large releases. Proper protective equipment should be used. In case of any spill, clear the affected area, protect people, and respond with trained personnel. Respiratory protection should be used to protect against potentially irritating contaminated dust.

Absorb spilled liquid with polypads or other appropriate materials. Avoid splashing or spraying liquid. Clean area thoroughly by rinsing with water. It may not be possible to decolorize stains. Place all spill residues in a double plastic bag, in appropriate sealed container. Dispose of in accordance with Federal, State, and local waste disposal regulations.

PART III *How can I prevent hazardous situations from occurring?*

7. HANDLING AND STORAGE

WORK PRACTICES AND HYGENE PRACTICES: Avoid getting chemicals ON YOU or IN YOU. Wash hands after handling chemicals. Do not eat or drink while handling chemicals. Avoid breathing mists of this ink.

STORAGE AND HANDLING PRACTICES: Store product in properly labeled, closed, containers in cool location. Avoid oxidizing and reducing agents and alkalies.

PROTECTIVE PRACTICES DURING MAINTENANCE OF CONTAMINATED EQUIPMENT: Follow practices indicated in Section 6 (Accident Release Measures). Make certain application equipment is locked and tagged-out safely. Always use this product in areas where adequate ventilation is provided. Clean equipment with appropriate flushing solution before maintenance begins. Collect all rinsates and dispose of according to applicable Federal, State, or local procedures.

8. EXPOSURE CONTROLS – PERSONAL PROTECTION

VENTILATION AND ENGINEERING CONTROLS: Use with adequate ventilation. Use a mechanical fan or vent area to outside.

RESPIRATORY PROTECTION: None required under routine conditions of use. It is advisable to use respiratory protection during the release response procedures.

EYE PROTECTION: Splash goggles or safety glasses.

HAND PROTECTION: Use of butyl gloves is recommended. Check gloves for leaks. Wash hands after removing gloves.

BODY PROTECTION: Use body protection appropriate for task. Cover-alls, rubber aprons, or chemical protective clothing made from natural rubber are generally acceptable, depending upon the task.

13. DISPOSAL CONSIDERATIONS

PREPARING WASTES FOR DISPOSAL: Waste disposal must be in accordance with appropriate Federal, State, and local regulations. This chemical, if unaltered by handling, may be disposed of by treatment at a permitted facility or as advised by your local hazardous waste regulatory authority. Discharge into a sanitary sewer or storm drain may violate local ordinance.

EPA WASTE NUMBER: Not Applicable.

14. REGULATORY INFORMATION

TSCA INVENTORY STATUS: The chemicals in this compound ARE listed on the TSCA Inventory.

SARA Title III – Section 313, Emissions Reporting: Not applicable.

MARINE POLLUTANT: This product contains no chemicals which have been designated by the Department of Transportation to be Marine Pollutants in 49 CFR 172.101, Appendix B.

CALIFORNIA PROPOSITION 65: Proposition 65 requires manufacturers or distributors of consumer products into the State of California to provide a warning statement if the product contains ingredients for which the state has found to cause cancer, birth defects, or other reproductive harm. This ink contains no such ingredient.

CERCLA REPORTABLE QUANTITIES (RO): Not Applicable.

15. OTHER INFORMATION

PREPARED BY: Digital Design, Inc.
67 Sand Park Road
Cedar Grove, NJ 07009

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