

MATERIAL SAFETY DATA SHEET

Section I

Company Name: Future Graphics, LLC.
Address: 1175 Aviation Place
City, State, Zip Code: San Fernando, CA 91340
Phone for Information: 818 / 837-8100
EMERGENCY CONTACT: FUTURE GRAPHIC: 818 / 837-8100, 800 / 394-9900
Product Code: INKBC20B40
Description: INK BC20 Black 17.7ltr/40lb
Date Revised: 5/27/2004
Product Type: Inkjet Ink; Water Based; Nonflammable
Chemical Name and Synonyms: None

HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

Section II

Hazardous Components		OSHA PEL/ACGIH TLV	ACGIH TWA-TLV	(Optional) %
ETHYLENE GLYCOL	(CAS# 107-21-1)	50 ppm ceiling	50 ppm ceiling	10-20%
GLYCOL SOLVENT	(CAS# FL PROP96)	As a mist only: 10 mg/m3	10 mg/m3	1-10%
ISOPROPYL ALCOHOL	(CAS# 67-63-0)		400 ppm	1-10%
UREA	(CAS# 57-13-6)	NA	NA	<2%

Ingredients not precisely identified are proprietary or non hazardous. Values are not product specifications.

PHYSICAL / CHEMICAL CHARACTERISTICS

Section III

Boiling Point (C): >200F
Specific Gravity (Water = 1): 1-1.1
Vapor Pressure (mm HG): Not Applicable
Vapor Density (Air = 1): >1
Evaporation Rate (Butyl Acetate =1): >1
Solubility in Water: Complete
Appearance & Odor: Black liquid, mild odor

FIRE & EXPLOSION HAZARD DATA

Section IV

Flash Point (Method Used): Not Applicable (Non-flammable water based)
Flammable Limits: Not Applicable
LEL: Not Applicable
UEL: Not Applicable
Extinguishing Media: Not Applicable
Special Fire Fighting Procedures: Not Applicable
Unusual Fire and Explosion Hazards: Not Applicable

Reactive Data

Section V

Stability: Unstable: Stable: X
Conditions to Avoid: None known
Incompatibility (Materials to Avoid): Oxidizing materials and strong acids.
Hazardous Decomposition or Byproducts: Oxides of carbon and nitrogen.
Hazardous Polymerization: Will Occur: Will Not Occur: X

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From page1, Section I

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HEALTH HAZARD DATA

Section VI

Routes of Entry: Eye/skin: May cause irritation. Skin: May cause sensitization and/or allergic reaction.
Inhalation: None reported or known to exist for the product unless listed here.
Ingestion: May cause gastrointestinal irritation, vomiting, nausea and diarrhea. May be harmful or fatal if swallowed. May damage kidney and liver.

Health Hazards (Acute or Chronic): Moderate eye and skin irritation.

Carcinogenicity: Product not tested. IARC, NTP, OSHA listed carcinogen components equal to or greater than 0.1% by weight will be listed in Section II and described as carcinogens, if any. NOTE FOR AMINES: Secondary and tertiary amines may react with nitrosating agents to form nitrosamines. Some shown to be carcinogenic in animals.

OSHA Regulated: Product not tested. It is not considered to be toxic per 29CFR1910.1200 but is considered to be a skin/eye irritant.

Signs or Symptoms of Exposure: Irritation to prolonged exposure.

Medical Conditions Aggravated by Exposure: None Known

EMERGENCY AND FIRST AID PROCEDURES:

EYES: Flush eyes thoroughly with water. Seek medical attention if irritation persists.
INHALATION: Remove victim to fresh air.
SKIN: Wash contaminated areas with soap and water.
INGESTION: Do NOT induce vomiting. Call doctor and contact local poison control center immediately.

PRECAUTIONS FOR SAFE HANDLING AND USE

Section VII

Steps to be Taken in Case Material is Released: Soak up on paper or other absorbent and scoop into closed containers. Flush area with plenty of water.

Waste Disposal Method: Dispose of in accordance with federal, state, and local regulations.

Precautions to be Taken in Handling or Storage: Storage temperature: standard room temperature.
Special sensitivity: heat, light, moisture.

Other Precautions: Keep container closed. Store away from traffic.

CONTROL MEASURES

Section VIII

Respiratory Protection: None required.

Ventilation: Local: None required.
Mechanical: Acceptable
Special: No Data
Other: Provide general or local exhaust ventilation to maintain below OSHA PELs.
Rubber

Protective Gloves: Goggles or safety glasses with side shields.

Eye Protection: Impervious clothing where skin contact is unavoidable; eyewash station.

Other Protective Clothing or Equipment: Avoid contamination of food, drink, etc. No smoking when handling.

Work / Hygienic Practices:

SPECIAL INSTRUCTIONS

This information is believed to be true and accurate. It represents the best information currently available to us. We make no warranty, expressed or implied with regard to such information. We make no liability resulting from its use. Users should make their own investigations to determine the suitability for their particular purposes.