

MATERIAL SAFETY DATA SHEET

Manufacturer: Canon Inc.
30-2, Shimomaruko 3-Chome, Ohta-ku, Tokyo, Japan

Distributor:

Date of preparation: April 28, 1993 Ver. 4.4

SECTION 1 IDENTIFICATION

PRODUCT NAME : Ink Cartridge M6904 G/A (Cyan)
DESCRIPTION : Liquid mixture, cyan ink for Apple Color Printer
CANON ITEM NO : F47-0401-500

SECTION 2 INGREDIENTS

<u>Principal components</u>	<u>Wt. %</u>	<u>USA OSHA *</u>	<u>ACGIH**</u>	<u>DFG***</u>
Water (7732-18-5)	75-85	---	---	---
Triethylene glycol (112-27-6)	5-10	---	---	---
Water-soluble organic solvent	5-10	---	---	---
Isopropyl alcohol (67-63-0)	1-2	TWA 400 ppm, 980 mg/m ³ STEL 500 ppm, 1225 mg/m ³	TWA 400 ppm, 983 mg/m ³ STEL 500 ppm, 1230 mg/m ³	MAK 400 ppm 980 mg/m ³

SECTION 3 PHYSICAL DATA

BOILING POINT : No data available
MELTING POINT : No data available
VAPOR PRESSURE (mmHg): No data available
VAPOR DENSITY (AIR=1): No data available
SOLUBILITY IN WATER : Miscible
SOLUBILITY IN ORGANIC SOLVENT: Triethylene glycol, Isopropyl alcohol
SPECIFIC GRAVITY (H₂O=1): 1.03
PERCENT VOLATILE BY VOLUME (%): No data available
EVAPORATION RATE (BUTYL ACETATE=1): No data available
pH : 4 to 9
APPEARANCE AND ODOR: Cyan liquid, Mild odor

* The column "OSHA" reveals PEL(Permissible Exposure Limit) under Occupational Safety and Health Administration.
** The column "ACGIH" reveals TLV(Threshold Limit Value) under American Conference of Governmental Industrial Hygienists.
*** The column "DFG" reveals MAK(Maximum Arbeitsplatzkonzentrationen) under Deutsche Forschungsgemeinschaft.

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SECTION 4 FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used): None(Tag. cc.)
IGNITION TEMPERATURE: No data available
FLAMMABILITY: No data available
FLAMMABLE LIMITS: No data available
EXTINGUISHING MEDIA: Water, CO₂, Dry chemicals
SPECIAL FIRE FIGHTING PROCEDURES: None
UNUSUAL FIRE AND EXPLOSION HAZARDS: None

SECTION 5 HEALTH HAZARD DATA

EXPOSURE LIMITS: Not specified

EFFECTS OF OVEREXPOSURE:

Inhalation : May be slightly harmful.
Ingestion : May be harmful if swallowed.
Eye contact : May cause slight irritation.
Skin contact : May cause slight irritation.

EMERGENCY AND FIRST AID PROCEDURES:

Inhalation : If person breathes in large amounts, move the exposed person to fresh air. Get medical attention.
Ingestion : Obtain medical attention immediately.
Eye contact : Flush with plenty of water.
Skin contact : Wash with water and soap.

TOXICITY DATA:

Acute effects : oral-rat : LD50 > 2000 mg/kg
inhalation-rat : LC50 > 5.16 ± 0.63mg/l/4h
darmal-rat : LD50 > 2000 mg/kg

Chronic effects : No data available

Mutagenicity : Negative (Test strains: s. typhimurium)

CARCINOGENICITY: No carcinogen or potential carcinogen, according to IARC Monographs*, NTP**, OSHA(USA) regulation and Annex I to Directive 67/548/EEC.

SECTION 6 REACTIVITY DATA

STABILITY: Stable
INCOMPATIBILITY: None
HAZARDOUS DECOMPOSITION PRODUCTS: None
HAZARDOUS POLYMERIZATION: Will not occur

* The term "IARC" stands for International Agency for Research on Cancer.
** The term "NTP" stands for National Toxicology Program (USA).

SECTION 7 SAFE USE OR HANDLING

STEPS TO BE TAKEN

IN CASE MATERIAL IS RELEASED OR SPILLED:

Wipe off with paper or wet cloth.

WASTE DISPOSAL METHOD:

Disposal may be subject to federal, state or local laws.

SECTION 8 SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:	Not required
VENTILATION:	Not required
PROTECTIVE GLOVES:	Not required
EYE PROTECTION:	Not required
OTHER PROTECTIVE EQUIPMENT:	Not required

SECTION 9 SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

None

SECTION 10 USA INFORMATION

CHEMICALS REQUIRED TO REPORT UNDER SARA TITLE III:

§ 313 CHEMICALS

Isopropyl alcohol (# 67-63-0)	1-2%
(manufacturing-strong acid process, no supplier notification)	

Copper Compounds	2.5%
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This information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any other process. And, it is based on the level of our knowledge as of the date of preparation.