

Canon

#79045

MATERIAL SAFETY DATA SHEET

Manufacturer: Canon Inc.
30-2, Shimo-Ogino 3-Chome, Ohta-ku, Tokyo 146, Japan

Distributor:

Date of preparation: October 6, 1992 ver. 1.7

SECTION 1 IDENTIFICATION For I, II & Portable

PRODUCT NAME : Apple StyleWriter II Ink Cartridge
DESCRIPTION : Liquid mixture, black ink for Apple StyleWriter II.
CANON ITEM NO: F45-0391-500

SECTION 2 INGREDIENTS

Principal components	Wt. %	OSHA*	ACGIH**	DFG***
Water (7732-18-5)	70-90	—	—	—
Glycerin (56-81-5)	5-10	(as list) Total dust TWA 10mg/m ³	(as list) Total dust TWA 10mg/m ³	—
		Respirable fraction TWA 5mg/m ³		
Water-soluble organic solvent	5-10	—	—	—
Water-soluble organic compound	5-10	—	—	—
Isopropyl alcohol (67-63-0)	< 5	TWA 400ppm, 230mg/m ³ STEL 500ppm, 125mg/m ³	TWA 400ppm, 980mg/m ³ STEL 500ppm, 1225mg/m ³	MAK 400ppm, 980mg/m ³

SECTION 3 PHYSICAL DATA

BOILING POINT / 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: Glycerin, Isopropyl alcohol
SPECIFIC GRAVITY (H₂O=1): 1.04
PERCENT VOLATILE BY VOLUME (%): No data available
EVAPORATION RATE (BUTYL ACETATE=1): No data available
pH: 8 to 10
APPEARANCE AND ODOR: Black 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) : Tag. closed cup: 61 °C
Tag. open cup : Not catch fire
IGNITION TEMPERATURE : 475 °C
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: See SECTION 2

EFFECTS OF OVEREXPOSURE:

Inhalation : No specific hazard is known to Canon under usual use condition
Ingestion : May be harmful if swallowed
Eye contact : No specific hazard is known to Canon
Skin contact : May cause slight irritation

EMERGENCY AND FIRST AID PROCEDURES:

Inhalation : If person breathes in large amounts, remove to fresh air.
Get medical attention.
Ingestion : Call a physician.
Eye contact : Flush with plenty of water.
Skin contact : Wash with water and soap.

TOXICITY DATA:

Acute toxicity : oral, rat (OECD Guidelines No.401 and U.S. 16CFR1500.3):
LD50 > 5000mg/kg animal body-weight
dermal, rat (OECD Guidelines No.402 and U.S.16CFR1500.40):
LD50 > 2000mg/kg animal body-weight
Eye irritation : rabbit (U.S.16CFR1500.42):
Negative
Skin irritation: rabbit (U.S.16CFR1500.41):
Mildly irritating.
the Primary Irritation Index (PII) = 0.3

MUTAGENICITY: Negative (test strains: S. typhimurium)

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

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

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SECTION 6 REACTIVITY DATA

STABILITY : Stable
INCOMPATIBILITY : None
HAZARDOUS DECOMPOSITION PRODUCTS : Ammonia in concentration less than 1%
HAZARDOUS POLYMERIZATION : Will not occur

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:**Keep out of reach of children.
Do not take internally.**SECTION 10 USA INFORMATION****CHEMICALS REQUIRED TO REPORT UNDER SARA TITLE III:****§ 313 CHEMICALS :**

Isopropyl alcohol (CAS# 67-63-0) less than 5%
(manufacturing - strong acid process, no supplier notification)

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.