



# AMERICAN INK JET CORPORATION

## MATERIAL SAFETY DATA SHEET

DATE: 10/29/2003

MSDS P/N: 99AQK-001

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### 1. PRODUCT AND COMPANY IDENTIFICATION

#### Product Identification

Product Name: Black Ink For Autotype Film Positives  
Product Number: 99AQK Series Inks  
Chemical Name: Ink Jet Printing Fluid  
Chemical Family: Blend  
CAS Number: Blend

#### Company Identification

American Ink Jet Corporation  
13 Alexander Road  
Billerica, Massachusetts 01821  
U.S.A.

Telephone: 1-978-670-9200  
FAX: 1-978-670-5637

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>Amount</u>	<u>CAS Number</u>	<u>OSHA PEL</u>	<u>ACGIH</u>
Dyestuff	10.0 – 25.0%	Blend (1)	N/E	N/E
Water	70.0 – 95.0%	7732-18-5		
Deactivator e	10.0 – 25.0%	Trade Secret	N/E	N/E
2-Pyrol	1.0 – 15.0%	616-45-5	N/E	N/E
Surfactant	1.0 – 15.0%	Trade Secret	N/E	N/E

Remaining ingredients not considered hazardous under the criteria of OSHA Hazard Communication Standard 29CFR 1910.1200

**COMPOSITION COMMENT:** (1) The identity of this dye is considered proprietary by the manufacturer.

### 3. HAZARDS IDENTIFICATION

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#### **EMERGENCY OVERVIEW**

Black liquid with slight odor. This product presents little or no hazard if spilled, and no unusual hazard if involved in a fire.

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**EYE:** May cause slight irritation.

**SKIN:** May cause allergic skin reaction.

**INHALATION:** May cause irritation if inhaled.

**INGESTION:** May be harmful if swallowed.

**CARCINOGENICITY INFORMATION:** No known cancer hazard.

## 4. FIRST AID MEASURES

**EYE CONTACT FIRST AID:** Immediately flush eyes with plenty of water. Get medical attention if irritation develops or persists.

**SKIN CONTACT FIRST AID:** Wash with soap and water, get medical attention if irritation develops or persists, wash clothing before reuse.

**INHALATION FIRST AID:** Although this product is not known to cause respiratory problems, if breathing is difficult, remove to fresh air and get medical attention.

**INGESTION FIRST AID:** If swallowed, get medical attention.

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## 5. FIRE FIGHTING MEASURES

**FLAMABLE PROPERTIES:** Will not burn.

**EXTINGUISHING MEDIA:** Use extinguishing media appropriate to surrounding fire.

**NFPA RATING:** Health – 1, Flammability – 0, Reactivity – 0, Special Hazards – None

**FIRE & EXPLOSION HAZARDS:** None

**FIRE FIGHTING INSTRUCTIONS:** As in any fire, wear positive pressure self-contained breathing apparatus and full protective gear.

**COMBUSTION PRODUCTS:** Decomposition may produce oxides of carbon, nitrogen, sulfur, hydrocarbons, fumes and smoke.

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## 6. ACCIDENTAL RELEASE MEASURES

**SAFEGUARDS (PERSONNEL):** Protect skin and eyes from exposure. Wear appropriate personal protective equipment. If vapors or mists are generated wear a NIOSH approved respirator.

**CLEAN UP PROCEDURE:** Absorb spills with inert material (e.g. vermiculite, dry sand or earth), treat or dispose of waste material in accordance with all local, state/provincial, and national requirements.

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## 7. HANDLING AND STORAGE

**HANDLING (PERSONNEL):** Avoid contact with eyes, skin and clothing, avoid breathing mists, wash hands thoroughly after handling.

**STORAGE PRECAUTIONS:** Keep out of reach of children. Keep from freezing.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**ENGINEERING CONTROLS:** No special ventilation requirements, good general ventilation should be sufficient to control airborne levels.

**EYE / FACE PROTECTION REQUIREMENTS:** Wear safety glasses or goggles if splashing is possible.



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SKIN PROTECTION REQUIREMENTS: Avoid unnecessary skin contact, wear gloves and sleeves. Wash hands thoroughly after handling.

RESPIRATORY PROTECTION REQUIREMENTS: Under normal use conditions, with adequate ventilation, no special handling equipment is required.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

FORM: Liquid

COLOR: Black

ODOR: Faint Odor

BOILING POINT: ~100 C

VAPOR PRESSURE: N/E Kg/cm<sup>2</sup>

VAPOR DENSITY: N/E (Air = 1)

SOLUBILITY IN WATER: Miscible

MELTING/FREEZING POINT: ~0 C

PH: 7.0 +/- 1.0

% VOLATILES: N/E

VOLATILE ORGANIC COMPOUNDS (VOC): N/E

## 10. STABILITY AND REACTIVITY

STABILITY: Stable

POLYMERIZATION: Hazardous polymerization will not occur.

INCOMPATIBILITY WITH OTHER MATERIALS: Incompatible or can react with acids, bases and oxidizers.

DECOMPOSITION: In the case of fire, oxides of carbon, nitrogen, sulfur, hydrocarbons, fumes, and smoke may be produced.

CONDITIONS TO AVOID: None

## 11. TOXICOLOGICAL INFORMATION

MISCELLANEOUS: The components of this product are not listed by the NTP, IARC, or regulated as a carcinogen by OSHA. Although not tested, may cause minor irritation based on the ingredients of the product.

## 12. ECOLOGICAL INFORMATION

ENVIRONMENTAL HAZARD: No information available.

## 13. DISPOSAL CONSIDERATION:

WASTE DISPOSAL: Treat or dispose of waste in accordance with all local, state/provincial, and national requirements.

EWC CODE: 080302



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## 14. TRANSPORT INFORMATION

PRODUCT LABEL: Black Ink For Autotype Film Positives

MISCELLANEOUS: Not a regulated article under DOT, IATA, ADR, or RID.

## 15. REGULATORY INFORMATION

### REGULATORY DISCLOSURES

CALIFORNIA PROPOSITION 65: This product contains no chemicals known to the state of California to cause cancer, birth defects, or other reproductive harm.

SARA TITLE III, 311/312: This product has been reviewed according to the EPA "Hazard Categories" promulgated under section 311 and 312 of SARA TITLE III, and is considered, under applicable definition, to be an immediate/acute health hazard.

EEC SYMBOLS AND INDICATIONS OF DANGER: None

R-PHRASES: R36/38 – Irritating to eyes and skin.

S-PHRASES: S24/25 – Avoid contact with skin and eyes.

WHMIS HAZARD SYMBOLS: None

MISCELLANEOUS INFORMATION: This material or all of its components are listed on the Inventory of Existing Chemicals Substances under the Toxic Substance Control Act (TSCA).

## 16. OTHER INFORMATION

HMIS RATING: Health – 1, Flammability – 0, Reactivity – 0, Personal Protection Index – 0

ABBREVIATIONS USED IN THIS MSDS: N/A Not Available, N/E not Established

ADDITIONAL INFORMATION: The data in this Material Safety Data Sheet relates only to the specific material designated herein. It does not relate to use in combination with any other material or in any process.

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The information contained herein is, to the best of our knowledge and belief, accurate. Since the condition of handling and use are beyond our control, we assume no liability for loss or injury resulting from the use of this product or the information herein. All chemicals may present unknown health hazards and should be used with caution. Safe use of this product is the responsibility of the user. No representation or warranties, either expressed or implied, of merchantability, fitness for a particular purpose or any other nature are made hereunto with respect to the information contained herein or the product to which the information refers.

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END OF MSDS

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