MATERIAL SAFETY DATA SHEET



1. Chemical product and company identification

A. Product name Q7441A

B. Recommended use and Limitations on use

Recommended use

Inkjet printing

C. Supplier information

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Telephone (02) 2199-0114

HP Inc. health effects line

(Toll-free within the US) 1-800-457-4209 (Direct) 1-760-710-0048

HP Inc. Customer Care

Line

(Toll-free within the US) 1-800-474-6836 (Direct) 1-208-323-2551

Email: hpcustomer.inquiries@hp.com

2. Hazards identification

A. Hazard category/Classification

Physical hazards Not classified.

Health hazards Not classified.

Environmental hazards Not classified.

B. Warning label items including precautionary statement

Pictogram None.
 Signal word None.
 Hazard statement None.
 Precautionary statement None.

C. Other hazards not included in the hazard category criteria (e.g. dust explosion hazard)

Potential routes of overexposure to this product are skin and eye contact. Inhalation of vapor and ingestion are not expected to be significant routes of exposure for this product under normal use

.g. dust explosion hazard) conditions. Complete toxicity data are not available for this specific formulation.

Supplemental information None.

3. Composition/information on ingredients

Chemical identity	Common and alternative names	CAS number	ID number	Content in percent (%)
Water		7732-18-5	KE-35400	70-80
Ethyl alkyldiol		Proprietary	Proprietary	<15
2-pyrrolidone		616-45-5	KE-29978	<5
Azonaphthalenesulfonate salt		Proprietary	Proprietary	<2.5
Substituted napthalenesulfonate salt		Proprietary	Proprietary	<2.5

Composition comments This ink supply contains an aqueous ink formulation.

4. First aid measures

A. In case of eye contact Do not rub eyes. Immediately flush with large amounts of clean, warm water (low pressure) for at

least 15 minutes or until particles are removed. If irritation persists get medical attention.

B. In case of skin contact Wash affected areas thoroughly with mild soap and water. Get medical attention if irritation

develops or persists.

C. In case of inhalation Remove to fresh air. If symptoms persist, get medical attention. If ingestion of a large amount does occur, seek medical attention. D. In case of swallowing

Not available E. Note to physician

5. Fire-fighting measures

A. Suitable (and unsuitable) extinguishing media

Suitable extinguishing

media

Dry chemical, CO2, water spray or regular foam.

Unsuitable extinguishing

media

None known.

B. Specific hazards arising from the chemical (example:

hazardous combustion

products)

Not available.

C. Specific methods of

fire-fighting

Not available.

Specific methods

None established.

6. Accidental release measures

A. Personal precautions, protective equipment and emergency measures

Wear appropriate personal protective equipment.

B. Environmental precautions

Do not let product enter drains. Do not flush into surface water or sanitary sewer system.

C. Methods and materials for containment and cleaning up Dike the spilled material, where this is possible. Absorb with inert absorbent such as dry clay, sand

or diatomaceous earth, commercial sorbents, or recover using pumps.

7. Handling and storage

A. Precautions for safe

handling

Avoid contact with skin, eyes and clothing.

B. Conditions for safe storage

(including any incompatibilities) Keep out of the reach of children. Keep away from excessive heat or cold.

Exposure limits have not been established for this product.

8. Exposure controls/personal protection

A. Exposure limit values, biological limit values, etc

No exposure limits noted for ingredient(s).

Biological limit values No biological exposure limits noted for the ingredient(s).

B. Appropriate engineering

Exposure guidelines

controls

Use in a well ventilated area.

C. Personal protective equipment

Not available. Respiratory protection Not available. Eye protection Not available. Hand protection Not available. Body protection

Hygiene measures Handle in accordance with good industrial hygiene and safety practice.

9. Physical and chemical properties

A. Appearance

Physical state Liquid. Not available. Form Color Black. Not available. B. Odor C. Odor threshold Not available. 7.5 - 8D. pH

E. Melting point/freezing point Not available. F. Boiling point, initial boiling

Not determined

point, and boiling range

Not available.

G. Flash point Not determined H. Evaporation rate

I. Flammability (solid, gas) Not available.

J. Upper/lower limit on flammability or explosive limits

Flammability limit - lower

(%)

Not determined

Flammability limit - upper

(%)

Not available.

Explosive limit - lower (%) Not available.

Explosive limit - upper (%) Not available.

K. Vapor pressure

Not determined

L. Solubility

Solubility (water)Soluble in waterM. Vapor density>= 1 (air = 1.00)N. Specific gravityNot available.O. n-octanol/water partitionNot available.

coefficient

P. Auto-ignition temperature
Q. Decomposition temperature
R. Viscosity
Not available.
Not available.
Not available.
Not available.

Other data

Oxidizing properties Not determined

VOC < 59 g/l

10. Stability and reactivity

A. Stability and hazardous reaction potential

Stability Stable under recommended storage conditions.

Hazardous reaction

potential

Will not occur.

B. Conditions to avoid (e.g. static discharge, shock or

vibration, etc)

Not available.

D. Hazardous decomposition

products

Upon decomposition, this product may yield gaseous nitrogen oxides, carbon monoxide, carbon

Test Results

dioxide and/or low molecular weight hydrocarbons.

11. Toxicological information

A. Information on likely routes of exposure

• Respiratory organs Under normal conditions of intended use, this material is not expected to be an inhalation hazard.

Skin Contact with skin may result in mild irritation.
 Eyes Contact with eyes may result in mild irritation.

Species

• Mouth Health injuries are not known or expected under normal use.

B. Information on health hazards

Acute toxicity (list all possible routes of

Based on available data, the classification criteria are not met.

2-pyrrolidone (CAS 616-45-5)

Acute Oral

Components

exposure)

LD50 Rat > 5000 mg/kg

• Corrosivity or irritation to

he skin

Based on available data, the classification criteria are not met.

Serious eye damage/eye

irritation

Based on available data, the classification criteria are not met.

Not classified as an irritant according to, OECD 405.

· Respiratory sensitization

Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met.

• Skin sensitization Based on availa

• Carcinogenic properties Based on available data, the classification criteria are not met. /Carcinogenicity

/Mutagenicity

- Poppeduative toxicity

- Resed on available data, the classification criteria are not met

Reproductive toxicity
 Specific target organ toxicity - single exposure
 Based on available data, the classification criteria are not met.

• Specific target organ Based on available data, the classification criteria are not met. toxicity - repeated exposure

Aspiration hazard Based on available data, the classification criteria are not met.

12. Ecological information

Mutagenic properties

A. Ecotoxicity Information given is based on data on the components and the ecotoxicology of similar products

Based on available data, the classification criteria are not met.

Components Species **Test Results** 2-pyrrolidone (CAS 616-45-5) Aquatic Crustacea EC50 Water flea (Daphnia pulex) 13.21 mg/l, 48 hours Ethyl alkyldiol (CAS Proprietary) Aquatic EC50 Crustacea Daphnia 102, 48 Hours LC50 1000, 96 Hours Fish Fish

Aquatic toxicity

Static acute toxicity (trout), survival (100 mg/L) = 97%

Static acute toxicity (trout), survival (10 mg/L) = 100%

LC50/96h/rainbow trout =>100mg/l EC50/72h/algae =>100 mg/l , OECD 201 EC50/48h/daphnia => 100mg/l , OECD 202

B. Persistence/degradability Not available.

C. Bioaccumulative potential

Octanol/water partition coefficient log Kow

2-pyrrolidone -0.85

D. Mobility in soil Not available.E. Other adverse effects Not available.

13. Disposal considerations

A. Method of disposal Do not allow this material to drain into sewers/water supplies. Dispose of waste material according

to Local, State, Federal, and Provincial Environmental Regulations.

HP's Planet Partners (trademark) supplies recycling program enables simple, convenient recycling of HP original inkjet and LaserJet supplies. For more information and to determine if this service

is available in your location, please visit http://www.hp.com/recycle.

B. Disposal considerations (including disposal of contaminated containers or packaging) Not available.

14. Transport information

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

ADR

Not regulated as dangerous goods.

Further information Not a dangerous good under DOT, IATA, ADR, IMDG, or RID.

15. Regulatory information

A. Restrictions under the Industrial Safety and Health Law

Harmful Substances Prohibited from Manufacturing

Not regulated.

Harmful Substances Requiring Permission for Manufacture or Use

Controlled Hazardous Substances

Not regulated.

Harmful Substances Requiring Special Medical Examination

Not regulated.

Workplace Environmental Monitoring Harmful Materials

Not regulated.

Occupational Exposure Limit

Not regulated.

B. Restrictions under the Chemicals Control Law (Previously Toxic Chemicals Control Law)

Accidental Release Prevention Substances

Not regulated.

Observational Chemicals

Not regulated.

C. Restrictions under the Dangerous Substance Safety Management Act

D. Restrictions under the Wastes Control Act

Halogenated Materials in Waste Organic Solvents

Not regulated.

Hazardous Substances

Not regulated.

E. Restrictions under other foreign or domestic laws

Clean Air Conservation Act

Air Pollutants

Not regulated.

Specific Air Pollutants

Not regulated.

Act on the Registration and Evaluation of Chemicals

Banned Toxic Chemicals

Not regulated.

Designated Existing Chemicals Subject to Registration (PEC) (MoE No. 2015-92)

Restricted Chemical Substances

Not regulated.

Toxic Chemicals

Not regulated.

Regulatory information

All chemical substances in this HP product have been notified or are exempt from notification under chemical substances notification laws in the following countries: US (TSCA), EU

(EINECS/ELINCS), Switzerland, Canada (DSL/NDSL), Australia, Japan, Philippines, South Korea,

New Zealand, and China.

16. Other information

A. Source of information Not available. B. Issue date 11-Jun-2015

C. Number of revisions and date of most recent revision 04-Jan-2019 (03 revision)

D. Other Not available.

Disclaimer

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This safety data sheet is meant to convey information about HP inks (toners) provided in HP Original ink (toner) supplies. If our Safety Data Sheet has been provided to you with a refilled, remanufactured, compatible or other non-HP Original supply please be aware that the information contained herein was not meant to convey information about such products and there could be considerable differences from information in this document and the safety information for the product you purchased. Please contact the seller of the refilled, remanufactured or compatible supplies for applicable information, including information on personal protective equipment, exposure risks and safe handling guidance. HP does not accept refilled, remanufactured or compatible supplies in our recycling programs.

Revision information

1. Product and Company Identification: Alternate Trade Names

Toxicological information: Eye contact Toxicological information: • Eyes Toxicological information: • Mouth

Toxicological information: • Respiratory organs

Toxicological information: • Skin **Ecological Information: Ecotoxicity** Ecological information: Aquatic toxicity

Regulatory information: Regulatory information

Other information: Disclaimer

Explanation of abbreviations

ACGIH American Conference of Governmental Industrial Hygienists

CAS Chemical Abstracts Service

CERCLA Comprehensive Environmental Response Compensation and Liability Act

CFR Code of Federal Regulations

COC Cleveland Open Cup

DOT Department of Transportation

Emergency Planning and Community Right-to-Know Act (aka SARA) **EPCRA**

IARC International Agency for Research on Cancer

National Institute for Occupational Safety and Health **NIOSH**

NTP National Toxicology Program

OSHA Occupational Safety and Health Administration

PFI Permissible Exposure Limit

RCRA Resource Conservation and Recovery Act

REC Recommended

REL Recommended Exposure Limit

Superfund Amendments and Reauthorization Act of 1986 **SARA**

Short-Term Exposure Limit STFI

TCLP Toxicity Characteristics Leaching Procedure

TLV Threshold Limit Value

TSCA Toxic Substances Control Act VOC Volatile Organic Compounds