

Material Safety Data Sheet

MSDS No.: IK058GE-02EY

Revision : 2013/8/15

1. PRODUCT AND COMPANY IDENTIFICATION

Manufacturer : Fuji Xerox Co., Ltd
Address : 7-3, Akasaka 9-choume, Minato-ku, Tokyo 107-0052, Japan
Contact Point : [Department] Environment & Product Safety Customer Satisfaction Quality Assurance Group
 [Telephone Number] +81-46-237-1686
 [FAX Number] +81-46-238-5796
 [E-mail] msds-inquiry@fujixerox.co.jp

Product Name: **Docuwide C842 Ink(Black)**

2. HAZARD IDENTIFICATION

GHS Classification : Not classified as hazardous mixture of GHS classification.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance or mixture : mixture
 Chemical Nature :

Chemical Name	Ingredients (% by wt.)	CAS Number
water	60-80	7732-18-5
Ethylene glycol	5-15	107-21-1
Glycerol	<10	56-81-5
Organic compounds	5-15	-
Black dye	<10	-
1,2-Benzisothiazolin-3-one	<0.05	2634-33-5

UN Hazard Class: None

UN Number :None

This product does not contain Lead, Mercury, Cadmium, Hexavalent Chromium, Polybrominated Biphenyls (PBBs) or Polybrominated Diphenyl Ethers (PBDEs) intentionally.

4. FIRST-AID MEASURES

Eye contact : Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Get medical attention if irritation persists after washing.
Skin contact : Take off immediately all contaminated clothing. Wash off immediately with soap and plenty of water. Get medical attention if irritation persists after washing.
Inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. For breathing difficulties, oxygen may be necessary. Get medical attention if symptoms persist.
Ingestion : Rinse mouth thoroughly. Only induce vomiting at the instruction of medical personnel. If vomiting occurs, keep head low so that stomach content does not get into the lungs. Get medical attention if any discomfort continues.
General advice : Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media : Water. Water spray. Foam. Dry powder. Carbon dioxide (CO₂).
Unsuitable Extinguishing Media : Do not use a solid water stream as it may scatter and spread fire.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	: Keep away from sources of ignition - No smoking. Ensure adequate ventilation. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Wear appropriate protective equipment and clothing during clean-up. Keep unnecessary personnel away. Keep upwind.
Environmental precautions	: Prevent further leakage or spillage if safe to do so. Do not contaminate water.
Methods and materials for containment and cleaning up	: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use water spray to reduce vapors or divert vapor cloud drift. Prevent entry into waterways, sewer, basements or confined areas. Absorb spillage with non-combustible, absorbent material. For waste disposal, see Section 13 of the MSDS.

7.HANDLING AND STORAGE

Handling	: Use only in well-ventilated areas. Local exhaust is recommended. Avoid inhalation of vapors/mist and contact with skin and eyes. Wear appropriate personal protective equipment. Keep away from heat, spark, open flames and other sources of ignition.
Storage	: Keep away from heat, sparks and open flame. Store in tightly closed original container in a dry and cool place.

8.EXPOSURE CONTROLS /PERSONAL PROTECTION

Engineering measures	Provide adequate ventilation. Observe Occupational Exposure Limits and minimize the risk of inhalation of vapors.
ACGIH TLV (2011)	100 mg/m ³ (Ethylene glycol) 10 mg/m ³ (Glycerol)
Personal protective equipment	
Respiratory protection	: In case of inadequate ventilation or risk of inhalation of vapors, use suitable respiratory equipment.
Eye protection	: Wear approved chemical safety goggles.
Skin and body protection	: Wear appropriate clothing to prevent repeated or prolonged skin contact. Wear protective gloves. Be aware that the liquid may penetrate the gloves. Frequent change is advisable.

9.PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: Liquid
Color	: Black
Odor	: Not available
pH	: 6.5-7.5
Melting Point/freezing point	: <0° C(< 32° F)
Boiling Point/Initial boiling point and boiling range	: > 90 °C (> 194 °F)
Flash point	: > 100 °C
Auto-ignition temperature	: Not available
Upper/lower flammability or explosive limits	: Not applicable
Vapour Pressure	: Not available
Vapour density	: >1
Relative density	: 1-1.1
Solubility	: Soluble in water.
Partition coefficient:n-octanol/water	: Not available
Decomposition temperature	: Not available
Viscosity	: < 15 cP
Polymerization hazardous	: Not applicable
Flammability	: Not applicable

10.STABILITY AND REACTIVITY

Stability and Reactivity	: Stable at normal conditions.
Possibility of hazardous reactions	: None
Conditions to avoid	: Heat, flames and sparks.
Incompatible materials	: Strong oxidizing agents.
Hazardous decomposition products	: Carbon oxides. Nitrogen oxides (NO _x).

11.TOXICOLOGICAL INFORMATION

Acute Toxicity	Swallowed→LD50(rat)	: >2000 mg/kg (practically non-toxic)
	Skin→LD50(-)	: Not available
	Inhaled→LC50(-)	: Not available
Skin Irritant (rabbit)		: Not an irritant
Skin Corrosive		: Not a corrosive
Eye Irritant (rabbit)		: Not an irritant
Skin Sensitization (guinea-pig)		: Not a skin sensitizer
Mutagenicity		: Ames Assay: Negative
Carcinogenicity		: Any one of ingredients is not classified as “Carcinogens ref.1”.
Reproduction and Development		: Not classified as “ Reproductive and Development chemicals” ref.2»
Specific Target Organ Toxicity Single Exposure		: Not available
Specific Target Organ Toxicity Repeated		: Not available
Aspiration Hazard		: Not available
Other Information		: None

12.ECOLOGICAL INFORMATION

Acute Toxicity	Fish 96hr LC50 (Oryzias latipes)	: >500 mg/L (practically non-toxic)
	Daphnia 48hr EC50 (Daphnia magna)	: >100 mg/L (practically non-toxic)
	Algae 72hr EC50 (Selenastrum capricornutum)	: >100 mg/L (practically non-toxic)
Bioaccumulative potential		: Not available
Mobility in soil		: Not available
Other adverse effects		: Not available

13.DISPOSAL CONSIDERATIONS

Proper disposal is required for ink cartridges no longer needed. Do not open ink cartridges. Return them to your local Fuji Xerox representative.

14.TRANSPORT INFORMATION

Transport in accordance with national, and local regulations.

15.REGULATORY INFORMATION

Ensure this product in compliance with national requirements and ensure conformity to local regulations.

16.OTHER INFORMATION

The above mentioned data correspond to our present state of knowledge and experience, but no warranty is made. Users should consider these data only as a supplement to other information and must make independent determination of the suitability and completeness of information from all sources to ensure proper use and disposal of the materials and safety and health of employees and customers.

References

- 1 : ◆ IARC Monographs on the Evaluation Carcinogenic Risks to Humans (WHO.International Agency for Research on Cancer)
◆ National Toxicology Program(NTP) Report on Carcinogens (NTP)
◆ TLVs and BEIs (American Conference of Governmental Industrial Hygienists)
◆ Council Directive 67/548/EEC on the approximation of the laws, regulations, and administratives provisions relating to the classification, packing and labelling of dangerous substances; Annex 1 (EU)
◆ Journal of Occupational Health(Japan Society for Occupational Health)
- 2 : ◆ Council Directive 67/548/EEC on the approximation of the laws, regulations, and administratives provisions relating to the classification, packing and labelling of dangerous substances; Annex 1 (EU)