Safety Data Sheet

MSDS No : IK108GE01

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1. PRODUCT AND COMPANY IDENTIFICATION

Manufacturer : FUJIFILM Business Innovation Corp.
Address : 9-7-3 Akasaka, Minato-ku,Tokyo 107-0052, Japan
Contact Point : [Department] Environment & Product Safety Customer Satisfaction Quality Assurance Department
[Telephone number] +81-46-237-1686
[FAX Number] +81-46-238-5796
[E-mail] dge-fb-msds-admin@fujifilm.com

Product Name : Ink Magenta R02
Product Code : CT290071
Compatible models : Jet Press1160CF

Recommended use : Inkjet ink
Restrictions on use : Consult expert judgment as using for purposes other than those recommended.

2.HAZARD IDENTIFICATION

GHS classification
Not classified as hazardous mixture of GHS classification.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Distinction of substance or mixture : Mixture
Chemical Nature :

Chemical Name	Ingredients (% by wt.)	CAS Number
Water	60 - 80%	7732-18-5
1,2-Propanediol	10 - 20%	57-55-6
Pigment Red	5 - 10%	Undisclosed
Organic Solvent A	1 - 10%	Undisclosed
Organic Solvent B	0.1-3%	Undisclosed
Triethanolamine	0-1%	102-71-6

This product does not contain Lead, Mercury, Cadmium, Hexavalent Chromium, Polybrominated Biphenyls (PBBs), Polybrominated Diphenyl Ethers (PBDEs), Bis(2-ethylhexyl)phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP), and Diisobutyl phthalate (DIBP) intentionally.

4.FIRST-AID MEASURES

Eye contact	:	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a hysician.
Skin contact	:	Wash skin with soap and water.
Inhalation	:	Remove to fresh air.
Ingestion	:	Clean mouth with water and drink afterwards plenty of water.
Note to physicians	:	Treat symptomatically.

5.FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable Extinguishing Media	:	Do not scatter spilled material with high pressure water streams.
Special fire fighting procedures	:	Keep personnel removed from and upwind of fire. Water runoff can damage the environment. Dike and collect water used to fight fire. Evacuate area and fight fire from a safe distance.
Protection of fire-fighters	:	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

6.ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	:	Ensure adequate ventilation.
Environmental precautions	:	Prevent from entering into soil, waterways and ground water.
Methods and materials for containment and cleaning up	:	Extinguish all flames in the vicinity. Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water. Prevent entry into waterways, sewer, basements or confined areas. Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills in original containers for re-use. For waste disposal, see section 13.
Prevention of secondary hazards	:	Clean contaminated objects and areas thoroughly observing environmental regulations.

7.HANDLING AND STORAGE

Handling

Technical measures : Avoid contact with skin, eyes and clothing. Wash hands after handling.

Precautions : See section 10 for more information.

Safe handling advice : Handle in accordance with good industrial hygiene and safety practice. Follow Industrial Safety and Health Law.

Storage

Conditions for safe storage : Store in a cool, dry and well-ventilated place away from direct sunlight. Keep the container hermetically sealed. Store away from incompatible materials (See section 10 for more information.).
Protect against freezing. Storage temperature: 0°C~35°C

Packaging compatibilities : No information available.

8.EXPOSURE CONTROLS /PERSONAL PROTECTION

Engineering measures : Evacuate and ventilate spill area.

Exposure guidelines :

Chemical name	Japan Society of Occupational Health	ISHL Working Environmental Evaluation Standards - Administrative Control Levels	ACGIH TLV
Triethanolamine (CAS 102-71-6)	-	-	Refer to the permissible concentration in the latest version of ACGIH

Biological occupational exposure limits : This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

Personal protective equipment

Respiratory protection : Use appropriate respiratory protection according to the situation.

Hand protection : Wear suitable gloves.

Eye protection : Use eye protection. Use face shield in case of splash risk.

Skin and body protection : Wear suitable protective clothing.

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

9.PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Liquid
Color	:	Red
Odor	:	Slight odor
pH	:	7-9
Melting Point/freezing point	:	No information available
Boiling Point/Initial boiling point and boiling range		No information available
Flash point	:	Not flammable
Auto-ignition temperature	:	No information available
Upper/lower flammability or explosive limits	:	No information available
Vapour Pressure	:	No information available
Vapour density	:	No information available
Relative density	:	No information available
Solubility	:	No information available
Partition coefficient:n-octanol/water	:	No information available
Decompositon temperature	:	No information available
Flammability		No information available

10.STABILITY AND REACTIVITY

Stability and Reactivity	:	Stable at normal conditions.
Possibility of hazardous reactions	:	None under normal processing.
Conditions to avoid	:	Avoid high temperatures and direct sunlight, freezing.
Incompatible materials	:	Strong acids, alkalis and oxidizing agents
Hazardous decomposition products	:	Nitrogen oxides (NOx)

11.TOXICOLOGICAL INFORMATION

The toxicity data noted below is based on test results of this materials or similar materials.

Acute Toxicity

Swallowed→LD50(rat)	:	>2000 mg/kg (Not applicable to GHS category)
Skin→LD50(-)	:	Not available
Inhaled→LC50(-)		Not available
Skin Irritant(rabbit)	:	Not an irritant
Skin Corrosive	:	Not a corrosive
Serious eye damage/eye irritation - Description(rabbit)	:	Not an irritant
Skin or Respiratory sensitization - Description(mouse or guinea-pig)	:	Not a skin sensitizer

Mutagency	:	Ames Assay: Negative
Carcinogenicity	:	Not contain carcinogens [ref.1]
Reproduction and Development	:	Not classified as " Reproductive and Development chemicals [ref.1]"
Specific Target Organ Toxicity Single Exposure	:	Not available
Specific Target Organ Toxicity Repeated	:	Not available
Aspiration Hazard	:	Not applicable
Other Information	:	None

12.ECOLOGICAL INFORMATION

The toxicity data noted below is based on test results of this materials or similar materials.

Ecotoxicity

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

13.DISPOSAL CONSIDERATIONS

Waste from residues/unused products	:	Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.
Contaminated packaging	:	Do not reuse empty containers.

14.TRANSPORT INFORMATION

Transport in accordance with national, and local regulations.

15.REGULATORY INFORMATION

Ensure this product in compliance with national requirements and ensure comformity 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.
CAS Registry Number(R) is a Registered Trademark of the American Chemical Society.

References

1 : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006