Safety Data Sheet

MSDS No : IK097GE01

Date of issue : 2022/12/08
Revision date : 2025/03/25
Revision History : 2

1. PRODUCT AND COMPANY IDENTIFICATION

Supplier's details	:	FUJIFILM Business Innovation Corp.
	:	9-7-3 Akasaka, Minato-ku,Tokyo 107-0052, Japan
Department		Environment & Product Safety Customer Satisfaction Quality Assurance Department
Telephone number	:	+81-46-237-1686
E-mai	:	dge-fb-msds-admin@fujifilm.com

Product Code	:	CT290059
Product Name	:	Jet Press 1160CF PIGMENT Ink(Black)

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

2.HAZARD IDENTIFICATION

Hazard statements	:	Not classified as hazardous mixture of GHS classification
Precautionary statements		
Prevention	:	Not applicable.
Response	:	Not applicable.
Storage	:	Not applicable.
Disposal	:	Not applicable.
Hazards not otherwise classified	:	None known.
Other hazards which do not result in classification	:	None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/mixture	:	Mixture
Other means of identification	:	Not available.

Ingredient name	%	CAS Number
Carbon black respirable powder	3-5	1333-86-4

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section
Occupational exposure limits, if available, are listed in Section 8.

4.FIRST-AID MEASURES

Description of necessary first aid measures

Eye contact	:	Flush with plenty of water for at least 15 minutes. Check for contact lenses and remove if worn. Consult a physician if necessary.
Inhalation	:	Move to fresh air. Rest in a position that facilitates breathing. Consult a doctor if necessary.
Skin contact	:	Wash thoroughly with water using soap. Remove contaminated clothing and shoes. Consult a physician if necessary.
Ingestion	:	Rinse mouth well with water. Consult a physician if necessary.

5.FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media	:	Use an extinguishing agent suitable for the surrounding fire. Dry chemical, foam, carbon dioxide, water fog.
Unsuitable extinguishing media	:	None known.
Specific hazards arising from the chemical	:	In a fire or if heated, a pressure increase will occur and the container may burst.
Hazardous thermal decomposition products	:	Decomposition products may include the following materials: Carbon dioxide Carbon monoxide
Special protective actions for fire-fighters	:	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Special protective equipment for fire-fighters	:	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6.ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions, protective equipment and emergency procedures	:	Ensure adequate ventilation.
Protective equipment for emergency responders		Wear personal protective equipment recommended in item 8.
Environmental precautions	:	Be careful not to discharge the product into rivers, etc.

Methods and materials for containment and cleaning up

Small spill	:	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry

material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

7.HANDLING AND STORAGE

Precautions for safe handling

Safe handling advice : Handle in accordance with good industrial hygiene and safety practice.Use appropriate protective equipment. (See Section 8) Avoid contact with eyes, skin and clothing. Do not breathe smoke, gas, mist or vapours. Use appropriate local exhaust ventilation.

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

Contact avoidance : See Section 10 (Stability and reactivity).

Conditions for safe storage : Protect from sunlight. Keep container tightly closed.

Safe packaging material : Do not store in unlabeled containers. Use plastic containers that are strong enough to avoid environmental contamination.

8.EXPOSURE CONTROLS /PERSONAL PROTECTION

Control Parameters Occupational exposure limits

Ingredient name	Exposure limits
Carbon black, respirable powder	**Japan Society for Occupational Health (Japan, 5/2020).** OEL-M: 1 mg/m^3 8 hours. Form: Respirable dust (Class 2 Dust) OEL-M: 4 mg/m^3 8 hours. Form: Total dust (Class 2 Dust) **ACGIH TLV (United States, 1/2021).** TWA: 8 hours. Form: Inhalable fraction

Environmental exposure controls : Use appropriate local exhaust ventilation and provide adequate ventilation.

Protection measures

Respiratory protection : Wear suitable respiratory protection such as a protective mask.

Hand protection : Wear suitable gloves, such as double-layered rubber gloves.

Eye/face protection : Use appropriate eye protection such as safety glasses.

Body protection : Wear suitable protective headgear and protective clothing.

9.PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical state	:	Liquid.
Color	:	Black.
Odor	:	Characteristic.
Odor threshold	:	Not available.
pH	:	7.0-10.0
Melting Point	:	Not determined.
Boiling point.		100℃(212℉)
Flash point	:	Closed cup:Not applicable.
Evaporation rate	:	Not applicable.
Flammability(solid, gas)	:	Not available.
Lower and upper explosion (flammable) limits	:	Not applicable.
Vapour pressure	:	Not available.
vapour density	:	Not available.
Relative density	:	1 to 1.15
Density		Not available.
Solubility	:	Not available.
Solubility in water	:	Not available.
Partition coefficient:n-octanol/water	:	Not applicable.
Auto-ignition temperature	:	Not available.
Decompositon temperature	:	Not available.
Viscosity		Not available.
Flow time (ISO 2431)	:	Not available.

10.STABILITY AND REACTIVITY

Reactivity	:	No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	:	The product is stable.
Possibility of hazardous reactions	:	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	:	No specific data.
Incompatible materials	:	No specific data.
Hazardous decomposition products	:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11.TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute Toxicity	:	Not available.
Swallowed→LD50(rat)	:	>2000 mg/kg (Not applicable to GHS category)

Skin→LD50(-)	:	Not available
Inhaled→LC50(-)	:	Not available
Skin Irritation(rabbit)	:	Not an irritant
Skin Corrosion	:	Not available.
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 available.

Product/ingredient name	Category	Route of exposure
carbon black, respirable powder	Category 2	-

Conclusion/Summary	:	Low acute inhalation toxicity. As with exposure to high concentrations of any dust, minimal irritation of the respiratory tract may occur. Pure carbon black and titanium dioxide, minor components of this product, has been listed by IARC as a group 2B (possible carcinogen). This classification is based on rat "lung particulate overload" studies performed with airborne particulate. Toner is not listed by IARC, NTP, or OSHA.
Reproductive toxicity	:	Not available.
Specific target organ toxicity (single exposure)	:	Not available.
Specific target organ toxicity (repeated exposure)	:	Not available.
Specific target organ toxicity (repeated exposure)	:	Not available.
Aspiration hazard	:	Not available.

12.ECOLOGICAL INFORMATION

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)
Persistence and degradability	:	Not available.	
Bioaccumulative potential	:	Not available.	

Mobility in soil

Soil/water partition coefficient (K_{OC})	:	Not available.
Other adverse effects	:	No known significant effects or critical hazards

13.DISPOSAL CONSIDERATIONS

Disposal methods	When disposing Waste Fluid, collect the whole amount and it should be entrusted to a licensed

industrial waste disposal operator with a control manifest for industrial waste (manifest).
Applicable laws and regulations for disposal
・Waste Management and Public Cleaning Act: Industrial Waste (Waste alkali)
・Water Pollution Prevention Act: Effluent Standards
・Sewerage Act: Restrictions on the Removal of Sewage

14.TRANSPORT INFORMATION

	UN	ADR/RID	IMDG	IATA
UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-	-
Transport hazard class(es)	-	-	-	-
Packing group	-	-	-	-
Environmental hazards	No.	No.	No.	No.

Special precautions for user : Carry protective equipment and fire extinguisher. Handle the packaging and bags carefully so that they do not break. Make sure there are no leaks in the container, and load it so that it does not fall, fall, or be damaged, and ensure that the cargo is not collapsed.

Transport in bulk according to IMO instruments : Not available.

15.REGULATORY INFORMATION

National regulations

EHS Register : Not determined

Poison Act, Poison List - Schedule 1 : Not applicable.

Poison Act, Poison List - Schedule 3 : Not applicable.

16.OTHER INFORMATION

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein,we cannot guarantee that these are the only hazards that exist.

Date of issue : 2022/12/08
Revision date : 2025/03/25
Revision History : 2

References

1 : DataLink .
REACH (Regulation (EC) 1907/2006) - Article 119(1). ECHA registered substances
Registry of Toxic Effects of Chemical Substances (RTECS)
U.S. Environmental Protection Agency, AQUIRE (Aquatic toxicity Information Retrieval) ECOTOX Database System
Regulation 1272/2008 Annex VI - Table 3.2 - List of Classification and Labeling of Hazardous Substances
Industry Code of Practice on Chemicals Classification and Hazard Communication, Version 2 (Malaysia GHS classification list)