

MATERIAL SAFETY DATA SHEET

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Section 1 - PRODUCT AND COMPANY IDENTIFICATION

Product Supplier Reference: Black Inkjet Cartridge

Consumable Name: Black Inkjet Cartridges ICR331K / ICR332K / PFA431 / PFA432

Supplier identification:

SAGEMCOM DOCUMENTS SAS

250 Route de l'Empereur

92500 RUEIL MALMAISON - FRANCE

Téléphone : +33(0)157611010

Fax : +33(0)157611001

Email : MSDS@sagemcom.com

Section 2 - HAZARDS IDENTIFICATION

Most Important Hazards : None.
Specific Hazards : None.
Skin Contact: Prolonged contact may cause skin irritation.
Eye Contact: Accidental contact may cause eyes irritation.
Ingestion: Unlikely in normal conditions of usage.
Inhalation: Unlikely in normal conditions of usage

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Chemical composition : water based ink.

Ingredients :

Chemical Name (common name)	Weight %	CAS No.	Classification
2-pyrrolidone	6-8	616-45-5	Xn, R 22-36

4. First aid measures

Skin Contact: Remove the contaminated clothes immediately. Wash heavily with water and Marseilles soap. If the irritation persists, call a doctor.

Eye Contact: Wash heavily with water, with open eyelid for 15 minutes at least. If eyes pain or redness persists, call an oculist. Don't use salve or eyewashes without eyes examination.

Inhalation: Not applicable.

Ingestion: Don't give nothing orally. Don't induce vomit. Take the patient to a first aid station.
Information for the doctor: Activated vegetable coal dust is useful. Gastrolusis is suitable for ingestion of high quantity (2-3 ml/kg) within an hour from the accident, by protecting respiratory tract in case of serious cerebral insufficiency. Gastric mucous protectors and in case antiH2 are useful.

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5. Fire – fighting measures

Extinguishing Media: Water, Foam, Powder, CO₂.
Fire-Fighting Procedure: Wear the respirator.
Explosion or fire hazards: None, in normal conditions of storage and usage.

6. Accidental release measures

Personal Precautions: In breach case of the packaging, wear protection dispositives for eyes and skin.
Environmental Precautions: None.
Method for Cleaning Up: Soak up with a wet cloth. Remove traces of ink with a wet cloth.

7. Handling and storage

Handling: Avoid the ingestion, the contact with eyes and skin. Keep away from children.
Storage: Keep closed and store in a cool, dry and dark place.

8. Exposure controls/personal protection

Respiratory protection: Protection is not required under normal usage.
Eye protection: Protection is not required under normal usage.
Hand protection: Protection is not required under normal usage.

9. Physical and chemical properties

Appearance: Water based black ink.
Odour : Odourless
pH : 8-9
Boiling Point: 100 °C
Melting Point: Not applicable
Flash Point: Not applicable
Explosive Property : Not applicable
Comburent property: Not applicable
Vapour pressure: Not applicable
Viscosity @ 25° C: Approx. 1.24 cps
Water Solubility : totally miscible
Density @ 20° C: Approx. 1.0 (water=1)

10. Stability and reactivity

Stability : Stable under normal usage and storage.
Conditions to avoid: Avoid the exposure to high temperatures.
Incompatible substances: Oxidizing substances.
Hazardous Decomposition Products: Carbon and nitrogen oxides.

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11. Toxicological information

Acute oral toxicity :	> 2000mg/kh.
Acute dermal toxicity:	> 2000mg/kh.
Skin sensitisation:	Negative.
Eye irritation:	Not irritant.
Skin irritation:	Not irritant.
Mutagenicity (Ames test) :	Negative.

12. Ecological information

No data available.
Do not dispose in the environment.

13. Disposal considerations

The waste cartridge must be disposed in according to enforced norms.

14. Transport information

No Special Precautions

15. Regulatory information

EU Information

Label information according to the Directives 67/548/EEC and 1999/45/EEC.

Symbol and Indication :	Not required.
R-Phrase :	Not required.
S-Phrase :	Not required.
Dangerous components:	None

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16. Other information

To the best of our knowledge, the information contained herein is accurate. However, we cannot assume any liability whatsoever for the accuracy or completeness of the information contained herein.

<Abbreviation>

ACGIH:	American Conference of Governmental Industrial Hygienists.
EPA :	Environmental Protection Agency(USA).
IARC:	International Agency for Research on Cancer.
ILO:	International Labour Office.
JAOH:	Japan Society for Occupational Health.
MAK :	MAK(Maximale Arbeitsplatzkonzentrationen) unter Deutsche Forschungsgemeinschaft.
NTP :	National Toxicology Program.
OSHA:	Occupational Safety and Health Administration.
TRGS:	Technische Regeln für Gefahrstoffe(Deutsche).
UN :	United Nations.

R phrases definitions:

22	Injurious for ingestion
36	Irritating to eyes
