SAFETY DATA SHEET

KMC PRO BLACK

Section 1: Identification of the substance/mixture and of the company/undertaking

Product Identifier

Product Name	:	KMC PRO BLACK
Reference Number	:	10SR0284
Use of the Substance	:	Printer Ink
Supplier Details	:	ColorJet India Limited B-195, Phase II, Noida, U.P. Phone : + 0120-4548195 Email : info@colorjetgroup.com
Recommended Use	:	Inkjet Ink

Section 2: Hazards Identification

Classification	Harmful preparation
Routes of entry	Inhalation, Ingestion, and Skin.
Harm to health	Contact with eyes may result in irritation. Contact with skin may result in irritation. Ingestion may result in gastric disturbance. Prolonged or repeated inhalation of vapor may cause headaches, dizziness or nausea.
Harm to ecological	No information available.
Risk of combustion and explosion	The vapor is heavier than air. Vapors or gases may ignite at distant ignition sources and flash back. Vapor/air mixtures are explosive.

Section 3: Composition/Information on Ingredients

Chemical Name or Generic Name	Concentration or Its Range	CAS NO
Carbon Black	1 - 10	1333-86-4
Polymer	1 - 10	Listed
Ethylene glycol monobutyl ether acetate	75 – 85	112-07-2
Lactone compound	1 - 10	Listed

Section 4: First Aid Measures

Inhalation	Move to fresh air area. Call a physician.
Skin Contact	In case of contact, immediately wash skin with soap and plenty of water. If irritation develops, get medical attention. Remove contaminated clothing and shoes.
Eye Contact	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If irritation develops, get medical attention.
Ingestion	If swallowed, seek medical advice immediately.

Section 5: Fire Fighting Measures

Extinguishing Media	Small fire: Dry chemicals, carbon dioxide, water sprinkling, and alcohol-resistance foam extinguishing agent. Large fire: Dry chemicals, carbon dioxide, and alcohol-resistance foam extinguishing agent.
Unsuitable Extinguishing Media	Jet water

Specific Hazards	Irritant, corrosive and/or toxic gas may be generated by a fire. Container may explode when heated.
Specific Fire Fighting	Carry out fire-fighting at the safe and effective distance from the fire, or use an unattended hose-holding unit, or a nozzle with a monitor.
Protection of Fire Fighters	In fire-extinguishing activity, wear an appropriate air breathing apparatus and full protective clothing for chemicals.

Section 6: Accidental Release Measure

Personal Precautions, Protective Equipment and Emergency Procedures	Do not touch the leakage, and do not walk on it. Prohibit unauthorized entry into the area. Wear appropriate personal protective equipment (Refer to "Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION") and avoid inhalation or contact with eyes and skin. If not wearing an appropriate personal protective clothing, do not touch the damaged container and leakage.
Environmental Precautions	Do not release into the environment. Pay attention not to cause the influence on the environment by discharging into rivers.
Methods and Equipment for Containment and Cleaning up	All devices to handle spills must be grounded. If not dangerous, stop the leak. Small amount: Prevent the material from wetting by rain. Cover with dry soil, dry sand, or non-combustibles and store under a plastic sheet cover to avoid scattering and wetting. Cleansing the contaminated area thoroughly with water after removal.

Section 7: Handling and Storage	
Handling Technical Measures	Provide ventilation system and Use necessary personal protective equipment as described in "8. EXPOSURE CONTROLS AND PERSONAL PROTECTION." Handling.
Local and General Ventilation	Provide local ventilations and a full ventilation system as described in "8. EXPOSURE CONTROLS AND PERSONAL PROTECTION."
Precautions for Safe Handling	Prohibit the use of heat, sparks, and fire in the surrounding area Wash hands thoroughly after handling. Avoid swallowing Avoid the contact with the skin.
Prevents Handling of Incompatible Substances or Mixtures	Refer to "10. STABILITY AND REACTIVITY"
Storage Precautionary Statements Technical Measures	The storage facility should be designed with fire-proof construction and beams should use a non-combustible material. The roof of a storage facility should be made of a non-combustible material and use metals or other lightweight non-combustible materials. No ceiling should be installed. The storage floor should be protected from water penetration or should have water-proof construction. The storage floor should have penetration-proof construction against dangerous goods and be

	inclined adequately. A proper sump should be provided to catch any spills. The storage facility should be provided with necessary lighting, lighting equipment, and ventilator to store and handle dangerous goods.
Incompatible Substances or Mixtures	Refer to "10. STABILITY AND REACTIVITY"
Storage Conditions	Store away from oxidants. Have containers keep away from direct sunlight and heat. Store in a well-ventilated and cool place keeping container tightly closed. Store locked up.
Material Used in Packaging/Containers	Use containers prescribed in the "UN Transport' Regulations.

Section 8: Exposure Control/Personal Protection

		ACGIH
Ethylene glycol monobutyl ether acetate		TWA20ppm
Carbon black		TWA3.5mg/m^3

Engineering Controls	Use Local exhaust ventilation.
Personal Protective Equipment	
Respiratory Protection	Respirator to avoid breathing organic solvent vapor.

Hand Protection	Ware chemical resistant gloves.
Eye Protection	Use safety glasses or goggles.
Skin and Body Protection	Wear working clothes.
Specific Hygiene Measures	Wash hands thoroughly after handling.

Section 9: Physical and Chemical Properties

Appearance	
Physical State	Liquid
Color	Black
Odor	Mild odor
pH	No Data
Flash point	83.0℃ (Cleveland Open cup)
Auto ignition temperature	>340℃ (Ethylene glycol monobutyl ether acetate)
Specific gravity	0.93-0.96 g/cm3(25℃)
Vapor density	No information available.
Solubility in water	1.1wt% (20℃)(Ethylene glycol monobutyl ether acetate)

Section 10: Stability and Reactivity

Stability	Stable
Possibility of Hazardous Reaction	Acids and oxidizing agents
Conditions to Avoid	Extremely high temperature
Incompatible Substances or Mixtures	Not occur
Hazardous Decomposition Products	No data

Section 11: Toxicological Information

Acute Toxicity: Oral Toxicity LD50(rat) =15,400mg/kg as Carbon black
IARC Monographs: Carbon black is classified as a substance which is possibly carcinogenic to humans (IARC Group 2B).
Mutagenicity: No information available.
Other toxicity information: No information available.

Section 12: Ecological Information

Environmental Hazards	This product is partially soluble in water. Treat using the best available techniques to avoid environmental contamination.
Ecotoxicity	No information available

Section 13: Disposal Considerations

Residual Waste	For disposal, conform with the standards provided by related laws and local public bodies. When commissioning the disposal to a disposal company, notify the danger and toxicity thoroughly to the company.
Contaminated Container and Packaging	Recycle containers after cleansing or carry out the disposal under the related laws and regulations and the standards of the local governments. In case of disposal of empty containers, remove the content thoroughly.

Section 14: Transport Information
IATA DGR (Suggestion According to IATA DGR) **The Substance is not subject to IATA DGR.** Marine Pollutant: Not applicable. Not classified as hazardous for transport. Follow all regulations in your country. **Special safety measures** Ground and bond containers when transferring material **IATA DGR (Suggestion According to IATA DGR)** **The Substance is not subject to IATA DGR.**
Section 15: Regulatory Information
Follow all regulations in your country
Section 16: Other Information
Reference