

MATERIAL SAFETY DATA SHEET

Millennium Colorworks Inc.  
PO Box 1102  
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I. Product And Company Identification  
Product Name: Kuro Sumi Ink

II. Composition/Information on Ingredients  
CAS#  
Chemical Name

No. CAS number  
Please see Section VII for product and component exposure guidelines.  
Components not listed are not physical or health hazards as defined in 39 CFR  
1910.1200 (Hazard Communication Standard).

III. Hazards Identification

HMIS Rating      Health: 1      Flammability: 1      Reactivity: 0

Immediate (Acute) Health Effects by Route of Exposure

Inhalation: Can cause minor respiratory irritation, dizziness, weakness, fatigue, nausea, and headache.

Skin Contact: Can cause minor skin irritation, defatting, and dermatitis.

Eye Contact: Can cause minor irritation, tearing and reddening.

Ingestion: Mildly irritating to mouth, throat, and stomach. Can cause abdominal discomfort.

Long-Term (Chronic) Health Effects

This product is a carcinogen or contains a carcinogen as listed by the following groups:

OSHA: No    NTP: No    IARC: No    NIOSH: No

IV. First-Aid Measures

Inhalation: Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen. If not breathing, give artificial



respiration and have a trained individual administer oxygen. Get medical attention immediately.  
Eyes: None expected to be needed, however, use an eyewash to remove chemical from your eye regardless of the level of hazard.

Skin Contact: Wash with soap and water.  
Ingestion: No hazard in normal use. Do not induce vomiting. Seek medical attention if symptoms develop. Provide medical care provided with the MSDS.

V. Fire Fighting Measures

Flammability: Combustible at elevated temperatures  
Summary:

Extinguishing Media: Use alcohol resistant foam, carbon dioxide or dry chemical when fighting fires. Water or foam may cause frothing if liquid is burning but it still may be useful extinguishing agent if carefully applied to the surface of the fire. Do not direct a stream of water into the hot burning liquid.

Fire and/or Explosion Hazards:

Material may be ignited only if preheated to temperatures above the high flash point, for example in a fire.  
Fire Fighting: Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Fight fire from a safe distance and a protected location due to the potential of hazardous vapors and decomposition products. Use methods for the surrounding fire.  
Hazardous Combustion Products: Carbon dioxide, Carbon monoxide

Flash Point: Greater than 93C (200 F)

VI. Accidental Release Measures

Personal Precautions: No adverse health effects from the clean-up of spilled material. Follow personal protective equipment recommendations found in Section VII of this MSDS.  
And Equipment:

VII. Handling and Storage

Handling: No special handling instructions due to toxicity.

Precautions: Store in a cool dry place. Isolate from incompatible conditions: materials.

VIII Exposure Controls/Personal Protection  
 Engineering No engineering controls are likely to be required to maintain Measures: operator comfort under normal conditions of use.

Respiratory No respiratory protection required under normal conditions of use. Protection: use.

Skin Not normally considered a skin hazard. Where use can result in skin contact, practice good personal hygiene. Wash hands and other exposed areas with mild soap and water before eating, Drinking, and when leaving work. Protection: Wear impermeous material no specific details available.

Exposure Guidelines: CAS Number OSHA Exposure Limits STEL ACGIH TLV-TWA ACGIH IDLH No CAS number

If this product is provided in a dry powder state it should be considered a nuisance dust (PEL 10 mg/m<sup>3</sup>).

If the processing of this product produces a mist it should be considered to be an oil mist with a PEL of 5 mg/m<sup>3</sup>.

IX Physical and Chemical Properties

Physical State Liquid, semi-solid, or solid  
 Solubility in Water Not determined  
 Volatiles, % by wt. 68.81  
 Volatiles, % by vol. 70.58  
 Volatile Organic Chemical % by wt 0.22  
 Volatile Organic Chemicals % by vol 10.22  
 Solids % by weight 31.19  
 Solids % by volume 29.42  
 Boiling Point 100 deg. C 212 deg. F  
 Specific Gravity 1.025  
 Bulk Density (Lb/Gal) 8.538

X. Stability and Reactivity  
 Stability: Stable under normal conditions

Conditions to Avoid: Temperatures above the high flash point of this combustible material in combination with sparks, open flames, or other sources of ignition.  
 Materials to Avoid/Chemical Incompatibility:  
 Strong oxidizing agents

XI Toxicological Information  
 Component Toxicology Data (NIOSH):  
 CAS Number LD59/LC50  
 No CAS number  
 XI.1. Disposal Considerations

Waster Description Spent or discarded material is not expected to be a For Spent Product: hazardous waste

Disposal Methods: Dispose in accordance with Federal State, Provincial And Local regulations. Material may be compatible with Industrial waste incineration or inclusion in a fuel blending Program. This characterization is subject to approval by your waster management contractor. This material should be recycled if possible.  
 XI.1 Transportation Information

OT Basic DOT & IATA: Not determined  
 Description: UN Number: NA

XIV. Regulatory Information  
 TSCA Status All ingredients of this products are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

Chemical Name	CAS#	Regulation	Percentage
Not on list		CERCLA	
Not on list		NPRI (Cdn)	
Not on list		PROP 65	
Ammonia	7664-41-7	SARA 313	<1
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The following items require export notification for TSCA  
 Chemical Name TSCA 12b list section  
 Not on list

This product falls under the following WHMIS class:

The following chemicals are disclosed to satisfy New Jersey and Pennsylvania Right to Know Laws:

XV Additional Information

Other:

References

Disclaimer:

While Millennium Colorworks Inc. believes the data set forth herein are accurate as of the data hereof, Millennium Colorworks Inc. makes no warranty with respect thereto and expressly disclaims all liability for reliance thereon, such data are offered solely for your consideration, investigation, and verification.