

Acrylic-Metacrylic Copolymer	CAS No. 25852-37-3
Benzisothiazol	CAS No.2634-33-5
Camphor	CAS No.464-49-3
Dextrin	CAS No.9004-53-9
D-sorbitol	CAS No.50-70-4
Glycerin	CAS No.56-81-5
Gum Arabic	CAS No.9000-01-5
Polyvinyl Alcohol	CAS No.9002-89-5
Propylene Glycol	CAS No.57-55-6
TBZ (2-(4-thiazolyl)-benzimidazole)	CAS No.148-79-8

*: main ingredient

Section 4- FIRST AID MEASURES

Eyes :	In case of eye contact, rinse with plenty of water and if necessary consult an eye specialist.
Ingestion :	In case of swallowing, drink plenty of water. Induce vomiting. If you feel unwell, seek medical advice.
Skin Contact :	Wash with mild soap and plenty of water.
Inhalation :	This product is not inhaled.

Section 5- FIRE AND EXPLOSION HAZARD DATA

Flammability :	Not flammable, water-based product
Flash Point :	N/A
Autoignition Point :	N/A

Section 6- ACCIDENTAL RELEASE MEASURES

Step to Be Taken in Case Material Is Released or Spilled : Take up with absorbent materials.

Section 7- HANDLING AND STORAGE

Precautions to Be Taken in Handling and Storing :
Avoid prolonged or repeated contact with skin and eyes.

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Especially none	
Engineering Controls :	Use mechanical ventilation to control aerosol or mist if product is sprayed.
Personal Protection :	Avoid inhaling aerosols.

Section 9 - PHYSICAL / CHEMICAL CHARACTERISTICS

Appearance :	Black, white, dark brown or grey opaque slurry	
Specific Gravity (H ₂ O = 1) :	1.08 (Black)	1.10 (Black/WP)
	1.80 (White)	1.60 (White/WP)
	1.10 (Grey)	1.09 (Sepia)
Melting Point :	N/A	
Boiling Point :	Approx. 100°C(212F degrees)	
pH :	6.5~7.5	
Viscosity :	11mPa.s (Black)	
Solubility in Water :	∞	

Section 10 - HAZARD INFORMATION AND STABILITY

Physical Dangers :	Especially none
Stability :	Stable under normal state
Reactivity :	None
Byproducts :	Carbon dioxide, oxides of metals and water in case of fire.

Incompatibility (Materials to Avoid) : None
 Hazardous Decomposition or Byproducts : No thermal decomposition when stored and handled correctly.

Section 11 – TOXICOLOGICAL INFORMATION

Primary Routes of Entry : Swallowing
 Oral Toxicity (LD50): Above 250g/kg* (White), 560g/kg* (White/WP), 670g/kg* (Grey, Black). Inapplicable to the others.
 *: Converted value based on preservative

Skin irritation : May cause irritation or burning or inflammation of eyes and skin.
 Eye irritation : None, but hurtable

Carcinogenicity : No data available.
 Sensitization, Mutagenicity, Teratogenicity, Reproductive Toxicity : No data available

Section 12 – ECOLOGICAL INFORMATION

No suitable information and no specific data is available for this product.

Section 13- DISPOSAL CONSIDERATIONS

Disposal Considerations : Small amount of Ink may be disposed pouring in a bag filled with rags or paper. After dried, treat as flammable waste.

Section 14- TRANSPORT INFORMATION

UN Proper Shipping Name : Nonflammable Liquid
 UN-number : N/A
 Hazard Class : Non-regulated

Section 15- REGULATORY INFORMATION

Regulatory agencies and restrictions are minimal regarding conveyance or use of water-based products other than what has been specifically addressed.

Conforms to ACMI, Art & Creative Materials Institute, under ASTM D 4236.

Industrial Safety and Health Law : N/A
 Fire Service Law : N/A
 Pollutant Release and Transfer Register : N/A

Section 16- OTHER INFORMATION

Notice: The information of this sheet is based on the present state of our knowledge and does not therefore guarantee certain properties.

Appendix

Table 1 COLOR INFORMATION

CI-101	White	Titanium dioxide (Pigment White 6) Aluminium silicate (Pigment White 19) Calcium carbonate (Pigment White 18)	CAS No.13463-67-7 CAS No.1344-00-9 CAS No.471-34-1
CI-102	Black	Carbon black (Pigment Black 7)	CAS No.1333-86-4
CI-103	Sepia	Monoazo Pigment (Pigment Red 31) Disazo Pigment (Pigment Yellow 83) Carbon Black (Pigment Black 7)	CAS No.6448-96-0 CAS No.5567-15-7 CAS No.1333-86-4
CI-105	Black (Waterproof)	Carbon Black (Pigment Black 7)	CAS No.1333-86-4
CI-106	White (Waterproof)	Titanium dioxide (Pigment White 6) Aluminium silicate (Pigment White 19)	CAS No.13463-67-7 CAS No.1344-00-9
CI-107	Grey	Monoazo pigment (Pigment Red 17)	CAS No.6655-84-1