

SAFETY DATA SHEET

1.CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : VERSA COLOR INK
 COMPANY : TSUKINEKO CO., LTD.
 ADDRESS : 5F SUEHIRO JF BLDG., 5-1-5, SOTOKANDA, CHIYODA-KU,
 TOKYO, 101-0021 JAPAN
 TELEPHONE NO. : +81-3-3834-1080
 Information in case of emergency: +81-3-3834-1080

2.HAZARDS IDENTIFICATION

Liquid is a colored liquid that cause eye, nose or throat irritation, and that effects anesthesia, if inhales. Avoid contact with eyes or clothing. In the case of skin contact, wash with soap and water. Keep out of reach of children.

Inhalation :Internal exposure to liquid vapors (mist) will cause respiratory irritation and anesthesia.
 Eye :Liquid contact with eye will be irritating.
 Skin :Liquid contact with skin may cause minimally irritation.
 Ingestion :May cause upset stomach.

3.COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS No.	Wt%	Other Limit
Solvent	Registered	40-60	
Resin	Registered	1.0-2.0	
Triethanolamine	102-71-6	0.5-2.0	
Titanium dioxide	13463-67-7	0-40	
Carbon black	1333-86-4	0-10	
Pigment	Registered	0-10	
Additives	Registered	1.0-2.0	
Water	7732-18-5	10-30	

4.FIRST-AID MEASURES

Skin contact:

Wash skin with soap and water for at least 15 minutes while removing contaminated clothing and shoes. If necessary seek medical attention.

Eye contact:

Immediately hold eyelids open and rinse with a stream of water for at last 15 minutes and seek medical attention.

Ingestion:

Seek medical attention. Never make an unconscious person vomit or drink fluids. When vomiting occurs, keep head lower than hips to help prevent aspiration. If person is unconscious, turn head to side. Get medical attention immediately, and show the MSDS to the physician.

Inhalation:

Remove person to fresh air. If necessary seek medical attention.

5.FIRE FIGHTING MEASURES

Extinguishing media: Carbon dioxide, dry powder, alcohol foam, water spray

Special firefighting procedures: Not applicable

Unusual fire and explosion hazards: Not applicable

6.ACCIDENTAL RELEASE MEASURES

Personal precautions: Not available

Environmental precautions: Do not wash away into shower or water way.

Methods for cleaning up: Soak up with absorbent materials or wash with water and dispose in accordance with national, state and local regulations.

7.HANDLING AND STORAGE

Handling : Handle in well-ventilated areas.

: Avoid contact with eyes and skin.

: Do not inhale fume and mist.

: Keep out of the reach of children.

Storage : Keep away from heat sources.

: Keep container tightly closed.

: Store in a dark and well-ventilated place.

8.EXPOSURE CONTROL/PERSONAL PROTECTION

ACGIH : Not established

OSHA : Not established

Ventilation : Use local exhaust ventilation.

Protective Measures : Safety goggles and rubber gloves

9.PHYSICAL AND CHEMICAL PROPERTIES

Appearance and odor : Colored liquid ,mild odor

Boiling point : 100°C

Melting point : Not available

Vapor density : Not available

Vapor pressure : Not available

Solubility in water	: Soluble
pH	: 7.5-8.5
Specific gravity	: 1.0-1.5 (20°C)
Flash point	: Not available
Autoignition point	: Not available

10.STABILITY AND REACTIVITY

Stability	: Stable
Hazardous reaction	: Will not occur
Conditions to avoid	: Avoid heat, flames, sparks and other sources of ignition.

11.TOXICOLOGICAL INFORMATION

Acute toxicity	
Ingestion LD50	: Not available
Skin LD50	: Not available
Chronic effects	: Not available
Carcinogenicity	: Not available
Other information	: None

12.ECOLOGICAL INFORMATION

Not available

13.DISPOSAL CONSIDERATIONS

Dispose of waste in accordance with national, state and local regulations.

14.TRANSPORT INFORMATION

Follow all regulations in your country or region.	
Precautions	: Pack, label and transport according to regulation. : Ensure containers without breakage or leakage. : Ensure containers tightly fixed.
Proper shipping name	: Non hazardous
Hazard class	: Not applicable
UN No.	: Not applicable
Packing group	: Not applicable
Hazard labels	: Not applicable
Environmental hazards: Marine pollutant	: No
IATA	: Not regulated
IMDG/IMO	: Not regulated

15.REGULATORY INFORMATION

Follow all regulations in your country or region.

16.OTHER INFORMATION

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