

MATERIAL SAFETY DATA SHEET

According to Regulation (EC) No 1907/2006

DIGITAL PRINTING INK

Date:20250101

I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

TRADE NAME: **DIGITAL PRINTING INK**

PRODUCT TYPE: Inkjet ink; acetate based; nonflammable

MANUFACTURER: ZHEJIANG YURONG DIGITAL PRINTING TECHNOLOGY CO., LTD

ADDRESS:

No. 877, Nong Road, Xiuzhou District, Jiaxing City, New Province 314000

EMERGENCY PHONE: 0086-21-67648099

INFORMATION PHONE: 0086-21-67649324

REASON FOR MSDS ISSUE: New information

MSDS VERSION: A

II. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL FAMILY: ACETATE/PIGMENT/RESIN

HAZARDOUS COMPONENTS	CAS#	WEIGHT %
1-Ethyl-2-pyrrolidinone	2687-91-4	1-10%
2-Butoxyethyl acetate	112-07-2	10-60%
Diethylene glycol methyl ethyl ether	1002-67-1	20-50%
Vinisol	39317-41-4	1-10%
Pigment Blue 15:4	147-14-8	1-10%
Pigment Red 146	5280-68-2	1-10%
Pigment Yellow 180	77804-81-0	1-10%

No PEL established.

The New Jersey Trade Secret Registration Number of proprietary ingredients is controlled by the ZHEJIANG YURONG DIGITAL PRINTING TECHNOLOGY CO., LTD product item number. Ingredients not precisely identified are proprietary or non-hazardous. Values are not product specifications.



III. HAZARDS IDENTIFICATION

HMIS CODES: H F R P

220 H

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Dizziness, breathing difficulty, headaches and loss of coordination

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Eye/skin: May cause irritation / sensitization.

Harmful if absorbed through skin. May cause blood disordered and kidney damage based on animal data.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

May cause gastrointestinal irritation, vomiting, nausea, and diarrhea.

ACUTE HEALTH HAZARDS

Severe irritation, tearing, redness, and blurred vision

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

None known or determined for the product

CHRONIC HEALTH HAZARDS

None known or determined for the product.

CARCINOGENICITY

Product not tested. IARC, NTP, OSHA listed carcinogen components equal to or greater than 0.1% by weight will be listed in paragraph 2 and described as carcinogens, if any.

IV. FIRST AID MEASURES

EMERGENCY AND FIRST AID PROCEDURES

Swallowed: Do NOT induce vomiting. Call a doctor and contact local poison control center immediately.

Eye contact: Flush eyes thoroughly with water. Seek medical attention if irritation persists.

Skin contact: Wash contaminated areas with soap and water.

Inhaled: Remove victim to fresh air.

V. FIRE FIGHTING MEASURES

FLASH POINT: > 178°F

METHOD USED: TCC

FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: ND UPPER: ND

EXTINGUISHING MEDIA: Foam, carbon dioxide or dry chemical

SPECIAL FIREFIGHTING PROCEDURES: Wear self-contained breathing apparatus and protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Vapors may form explosive mixture with air. Vapors may travel considerable distance to a source of ignition and flash back.

VI. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Eliminate all sources of ignition. Soak up on paper or other absorbent and scoop into closed containers. Flush area with plenty of water.



VII. HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

PRODUCT NAME: DIGITAL PRINTING INK DATE PRINTED: 01/01/2025

Storage temperature: Standard room temperature (68 degrees Fahrenheit).

Special sensitivity: Heat, light, moisture.

Precautions: Keep container closed. Store away from traffic.

OTHER PRECAUTIONS

If peroxide formation is suspected, do not open or move container. Minimize exposure to air. Keep from contact with oxidizing materials. Minimize exposure to air. Keep container closed. Store away from heat and light.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION: Use an approved respirator for organic vapor and fumes if ventilation is not adequate.

VENTILATION: Mechanical ventilation is acceptable.

PROTECTIVE GLOVES: Rubber

EYE PROTECTION: Goggles or safety glasses with side shields.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Impervious clothing where skin contact is unavoidable; eyewash station.

WORK/HYGIENIC PRACTICES: Avoid contamination of food, drink, etc. No smoking when handling.

IX. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: 300 - 400° F

SPECIFIC GRAVITY (H₂O=1): ND

VAPOR PRESSURE (mm of Hg): ND

VAPOR DENSITY (AIR = 1): ND

EVAPORATION RATE (BUTYL ACETATE=1): ND **MATERIAL VOC:** 80 – 85%

PHYSICAL STATE: Viscous liquid

COLOR: DIGITAL SOLVENT INK (M)

ODOR: Alcoholic

SOLUBILITY IN WATER: Negligible

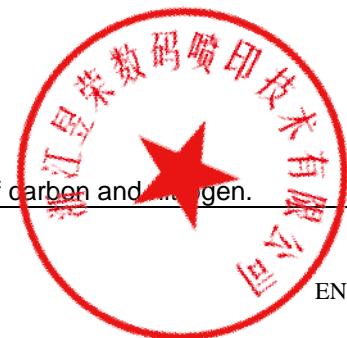
X. REACTIVITY

STABILITY: Stable

CONDITIONS TO AVOID: Heat, light, moisture

INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizers

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Oxides of carbon and nitrogen.



HAZARDOUS POLYMERIZATION: None

XI. TOXICOLOGICAL INFORMATION

No information available for product.

XII. ECOLOGICAL INFORMATION

No information available for product.

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XIII. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD

Waste shall be disposed of in accordance with federal, state, and local environmental control regulations.

XIV. TRANSPORTATION INFORMATION

D.O.T. SHIPPING NAME: Not regulated.

XV. PRODUCT REGULATORY INFORMATION

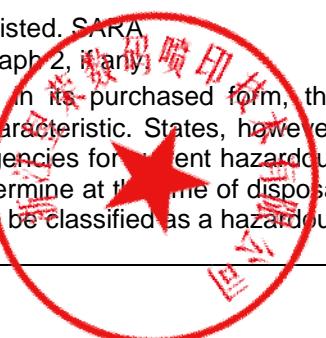
OSHA STATUS: Product not tested but it is considered to be a health hazard per 29CFR1910.1200.

USA TSCA STATUS: This product meets the requirements of the Toxic Substances Control Act.

INTERNATIONAL EXPORT/IMPORT STATUS: Not determined for every country. Contact ZHEJIANG YURONG DIGITAL PRINTING TECHNOLOGY CO., LTD for certification if required. Formulas are proprietary, so ingredient lists may only be released to Customs/Health offices designated to control trade secrets.

SARA TITLE III SECTION 313 TOXIC CHEMICALS: Product not listed. SARA listed ingredients at or above De Minimis reporting levels are noted in paragraph 2, ~~if any~~.

RCRA HAZARDOUS WASTE NUMBER/STATUS: If discarded in its purchased form, this product would not be a federal hazardous waste either by listing or by characteristic. States, however, often have stricter criteria. Users should check with their state regulatory agencies for current hazardous waste criteria. Under RCRA it is the responsibility of the product user to determine at the time of disposal whether a material containing the product or derived from the product should be classified as a hazardous waste (40CFR261.20-24).



OZONE-DEPLETING CHEMICALS: No regulated ingredients.

NEW JERSEY

<u>REPORTABLE COMPONENTS</u>	<u>CAS #</u>
1-Ethyl-2-pyrrolidinone	2687-91-4
2-Butoxyethyl acetate	112-07-2
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CALIFORNIA PROPOSITION 65 (CARCINOGENS):

REPORTABLE COMPONENTS	CAS #	WEIGHT %
None unless listed, as follows:		

CALIFORNIA PROPOSITION 65 (REPRODUCTIVE TOXINS):

REPORTABLE COMPONENTS	CAS #	WEIGHT %
None unless listed, as follows:		

PRODUCT NAME: DIGITAL PRINTING INK DATE PRINTED: 01/01/2020

XVI. OTHER INFORMATION

All information appearing herein is based upon data obtained from the manufacturer and/or recognized technical sources. This information is believed to be correct, but does not purport to be all inclusive and shall be used only as a guide. **ZHEJIANG YURONG DIGITAL PRINTING TECHNOLOGY CO., LTD** makes no warranty, express or implied, as to the accuracy or completeness of this information. It is the user's responsibility to determine the suitability of this information for the adoption of necessary safety precautions and/or compliance with federal, state, and local laws and regulations.

