

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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|-------------------|---|---|
| Trade Name | : | General sublimation ink for Epson desktop printer, such as Epson stylus R210 R230 R350 C67 C65 C88 C86 etc. |
| Product Type | : | Ink Jet Ink |
| Supplier | : | BestSub Technologies Co Limited |
| Address | : | Rm 810 Exchange Square, No.268 Dongfeng Zhong Road, Yuexiu District, Guangzhou, 510030, China. |
| Emergency Phone | : | +86-20-83375464 |
| Information Phone | : | +86-20-83325659 |

2. TECHNICAL DATA

| | | |
|---------------------|---|-------------------------|
| Hue | : | Yellow |
| Chemical Name | : | Disperse Yellow mixture |
| Chemical Family | : | Proprietary |
| Appearance | : | Liquid |
| pH | : | 7.0-9.6 |
| Solubility in water | : | Dispersible |
| Particle Size | : | 100% <0.4µm |
| Viscosity | : | 2 -5 CPS |
| Solids | : | 5% ± 2% |
| Uses: | : | Sublimation Inks |

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Family: Water/ Glycol/ dye (Pigment)

| Hazardous components | CAS# | Weight % | Remarks |
|-----------------------------|-------------|-----------------|--|
| Dye(Pigment) hazardous | Proprietary | 1-30% | No PEL established. May cause sensitization. |
| Glycol solvent | APJ prop 1 | 2-40% | OSHA PEL TWA 10 mg/m ³ , ACGIH TLV 10 mg/m ³ |
| Isopropyl Alcohol | 67-63-0 | 1.5-8% | ACGIH TLV-TWA 400ppm Flammable |
| Glycerol | 56-81-5 | 1.5-10% | OSHA PEL TWA 5 mg/m ³ |
| Glycol ether | APJ prop 2 | 1.5-8% | OSHA PEL TWA 50 ppm Flammable |
| 2-pyrrolidone | 616-45-5 | 2-40% | No PEL established. |

4. HAZARDS IDENTIFICATION

| | | |
|-------------------|---|----------------|
| HMIS CODES | : | H F R P |
|-------------------|---|----------------|

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| | | 1 0 0 C |
| INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE | | |
| INHALATION | : | None reported or known to exist for the product unless listed here. |
| SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE | | |
| EYE/SKIN | : | May cause irritation. |
| INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE | | |
| INGESTION | : | May cause gastrointestinal irritation, vomiting, nausea and diarrhea. May be harmful or fatal if swallowed; may damage kidney and liver |
| HEALTH HAZARDS (ACUTE AND CHRONIC) | | |
| ACUTE | : | Moderate eye and skin irritation. |
| CHRONIC | : | None known or determined for the product. |

5. FIRST AID MEASURE

| | | |
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| SWALLOWED | : | Do not Induce vomiting and call a doctor |
| SKIN CONTACT | : | Wash contaminated areas with soap and water |
| EYE CONTACT | : | Flush eyes thoroughly with water. Seek medical attention if irritation persists. |
| INHALED | : | Remove victim to fresh air |

6. FIRE FIGHTING MEASURES

| | | |
|------------------------------------|---|----|
| FLASH POINT AND METHOD | : | NA |
| FLAMMABLE LIMITS IN AIR | : | NA |
| FIRE EXTINGUISHING MEDIA | : | NA |
| UNUSUAL FIRE AND EXPLOSION HAZARDS | : | NA |

7. ACCIDENTAL RELEASE MEASURES

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| STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Soap up on paper or other absorbent and scoop into closed containers. Flush area with plenty of water |
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8. HANDLING AND STORAGE

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| PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING | | |
| STORAGE TEMPERATURE | : | Standard room temperature (68 DEG F). |
| SPECIAL SENSITIVITY | : | Heat, light, moisture |
| PRECAUTIONS | : | Keep container closed. Store away from traffic. |

9. EXPOSURE CONTROLS/PERSONAL PROTECTION

| | | |
|------------------------|---|---------------|
| RESPIRATORY PROTECTION | : | Not necessary |
|------------------------|---|---------------|

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| 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. |

10. PHYSICAL AND CHEMICAL PROPERTIES

| | | |
|--|---|------------------|
| BOILING POINT | : | > 200 DEG F |
| SPECIFIC GRAVITY (H ₂ O=1) | : | > 1 |
| RELATIVE VAPOR DENSITY (Air=1) | : | Heavier than air |
| RELATIVE EVAPORATION RATE (BUTYL ACETATE =1) | : | > 1 |
| PHYSICAL STATE | : | Liquid |
| ODOR | : | Mild |
| SOLUBILITY IN WATER | : | Complete |

11. REACTIVITY

| | | |
|---------------------------------------|---|---------------------------------------|
| STABILITY | : | Stable |
| CONDITIONS TO AVOID | : | None known |
| INCOMPATIBILITY(Materials to Avoid) | : | Oxidizing materials and strong acids. |
| HAZARDOUS DECOMPOSITION OR BYPRODUCTS | : | Oxides of Carbon and nitrogen |
| HAZARDOUS POLYMERIZATION | : | None |

12. TOXICOLOGICAL INFORMATION

No information available

13. ECOLOGICAL INFORMATION

No information available

14. DISPOSAL CONSIDERATIONS

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|-----------------------|---|--|
| WASTE DISPOSAL METHOD | : | Dispose of in accordance with all local, state or federal regulations. |
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15. TRANSPORTATION INFORMATION

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

16. REGULATORY

| | | |
|----------------|---|---|
| OSHA STATUS | : | Product not tested. But is considered to be of relatively low toxicity. |
| TSCA STATUS | : | This product meets the requirements of the Toxic Substances Control Act. |
| SARA TITLE III | : | Product not listed. SARA listed ingredients at or above De Minim is reporting levels are noted in paragraph 2, if |

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| | | |
|-------------------------------------|---|---|
| | | 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). |

17. 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. We do not make any 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.