Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: C098-005
General Use: Water based ink
Product Description: Water based ink
SDS Number: A-010

MANUFACTURER
Company Name: UV PROCESS SUPPLY, INC.
Address: 1229 W CORTLAND STREET, CHICAGO, IL 60614
Telephone No.: 773-248-0099

2. COMPOSITION/INFORMATION ON INGREDIENTS

CLASSIFICATION
Health Hazard: Not classified.
Physical Hazard: Not classified.
Signal Word: None.
Hazard Statement: None.
Symbol: None.
Precautionary Statements: None.

3. HAZARDS IDENTIFICATION

Component(s) | CAS #   | Approx. %
--- | ------ | -------
Proprietary fluorescent brightener | Trade secret | 2 - 6
Non-hazardous and other ingredients below reportable levels | N/A | Balance

V.O.C. CONTENT:

Component | CAS # | Vapor Pressure
--- | --- | ---

4. FIRST AID MEASURES

INHALATION: If inhale a large quantity, remove to fresh air.
EYE: Immediately flush eyes with water for at least 15 min. Seek medical attention as needed.
SKIN: Wash with mild soap and water.
INGESTION: Rinse mouth thoroughly with water. Induce vomiting, if possible. Seek medical attention as needed.
PROTECTION TO FIRST-AIDERS:
    Wear personal protective clothing and equipment.

NOTE TO PHYSICIAN:
    Treat symptomatically.

5. FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA
    Use water spray, sand, foam, dry chemical, or CO₂ gas
    (This product is not combustible under normal conditions due to its aqueous property.)

UNSUITABLE EXTINGUISHING MEDIA
    Not available.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL
    Not available.

SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS
    In case of fire, wear respirator.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES
    Wear protective gloves and goggles to avoid contact with skin and eyes. Respiratory protection is worn in an ill-ventilated area.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP
    For small spill, absorb with dry sand, soil, saw dust or rag. Collect into container for disposal and wipe the remaining up with rag.
    For large spill, dike with soil, blanket or sandbags to prevent from entering public waters, and collect into container with shovel or vacuum.
    Avoid releasing spilled material into rivers and/or lakes, and drains. If material is released to public water, advice local authority.

7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING
    Protective Measures:
        Wear suitable protective equipment and clothing is needed to prevent the material from contacting skin and eyes. Local exhaust ventilation or general ventilation is recommended during indoor operation.
    Advice on General Occupational Hygiene:
        Wash thoroughly after handling. Do not eat, drink, or smoke during work.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES
    Technical Measures Storage Conditions:
        Store in a cool and dark place away from direct sunlight. Avoid freezing. Keep container tightly closed.
8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE LIMIT VALUES
Not established.

EXPOSURE CONTROLS
Occupational Exposure Controls
Engineering Controls:
Local exhaust ventilation or general ventilation is recommended during indoor operation.

Human Health Hazard Precaution
When using this substance:
Avoid breathing substance.
Avoid ingestion.
Use skin protection.

Personal Protection
Respiratory Protection:
When processing fumes/haze are not adequately controlled, use respirator approved for protection from organic vapors and particulate matter. When dust or powder from secondary operations such as grinding, sanding or sawing, are not adequately controlled use respirator approved by NIOSH for protection from dust.

Hand Protection:
Wear rubber or plastic gloves.

Eye Protection:
Wear safety glasses or chemical goggles.

Skin Protection:
Wear long pants, long sleeves, boots, and rubber or plastic gloves when applicable.

Environmental Exposure Controls:
Not available.

9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance:</td>
<td>Colored paste. (represents reversible thermochromism)</td>
</tr>
<tr>
<td>Odor:</td>
<td>Almost odorless</td>
</tr>
<tr>
<td>pH:</td>
<td>Not available.</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>Not available.</td>
</tr>
<tr>
<td>Melting Point</td>
<td>Not available.</td>
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<tr>
<td>Decomposition Temperature:</td>
<td>Not available.</td>
</tr>
<tr>
<td>Flash Point</td>
<td>Not available.</td>
</tr>
<tr>
<td>Auto-Ignition Temperature:</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Flammability</td>
<td>If this product is dry, it may be flammable.</td>
</tr>
<tr>
<td>Explosive Properties:</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Oxidizing Properties:</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>Not available.</td>
</tr>
<tr>
<td>Specific Gravity (water = 1):</td>
<td>1.04 ± 0.05</td>
</tr>
<tr>
<td>Solubility</td>
<td>Miscible.</td>
</tr>
<tr>
<td>Water:</td>
<td>Not available.</td>
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<tr>
<td>Partition Coefficient (n-octanol/water):</td>
<td>Not available.</td>
</tr>
<tr>
<td>Viscosity:</td>
<td>Not available.</td>
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<tr>
<td>Vapor Density:</td>
<td>Not available.</td>
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<tr>
<td>Evaporation Rate:</td>
<td>Not available.</td>
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10. STABILITY AND REACTIVITY

REACTIVITY: No specific reactivity under normal condition.
CHEMICAL STABILITY: Stable under normal handling and using condition.
POSSIBILITY OF HAZARDOUS REACTION:
Nothing in particular.
CONDITIONS TO AVOID: Nothing in particular.
INCOMPATIBLE MATERIALS:
Nothing in particular.
HAZARDOUS DECOMPOSITION PRODUCTS:
Nothing in particular.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity: Not applicable.
Eye Irritation: Not available.
Skin Irritation: Not available.
Sensitization: Not available.
Repeated Dose Toxicity: Not available.
Chronic Toxicity: Not available.
Mutagenicity: Not available.
Carcinogenicity: Not applicable.
Reproductive and Developmental Toxicity: Not available.

12. ECOLOGICAL INFORMATION

ECOTOXICITY: Not available.
MOBILITY: Not available.
PERSISTENCE AND BIODEGRADABILITY: Not available.
BIOACCUMULATIVE POTENTIAL: Not available.
OTHER ADVERSE EFFECTS: Not available.

13. DISPOSAL INFORMATION
Comply with all federal, state and local regulations.
Do not dump this product into sewers, on the ground or into any body of water.

14. TRANSPORT INFORMATION

US DEPARTMENT OF TRANSPORTATION (DOT)
Hazardous Materials Description and Proper Shipping Name: Not regulated.
Hazard Class or Division: Not regulated.
Identification Number: Not regulated.
Packing Group: Not regulated.
Label(s) Required: Not regulated.
SEA TRANSPORT
IMDG
Class: Not regulated.
Packing Group (PG): Not regulated.
UN Number: Not regulated.
Proper Shipping Name: Not regulated.
Marine Pollutant: Not regulated.

AIR TRANSPORT
ICAO/IATA
Class: Not regulated.
Packing Group (PG): Not regulated.
UN Number: Not regulated.
Proper Shipping Name: Not regulated.

15. REGULATORY INFORMATION

OSHA STATUS:
This product is not considered to be hazardous under 29 CFR 1910.1200.

TSCA STATUS:
All components on TSCA INVENTORY.

SNUR SPECIFIC CHEMICAL SUBSTANCES

CERCLA REPORTABLE QUANTITY (40 CFR 117, 302):
Not applicable.

SARA TITLE III
Section 302 (40 CFR 355) – Extremely hazardous substance:
Not applicable.
Section 311/312 (40 CFR 370) – Hazard categories:
Not applicable.
Section 313 (40 CFR 372) – Toxic chemical:
Not applicable.

CONEG – Typical Metals present in ppm:
Cadmium (Cd) N
Hexavalent Chromium (Cr(VI)) N
Lead (Pb) N
Mercury (Hg) N

HMIS Ratings
Health: 1
Flammability: 0
Reactivity: 0
Protection: F

(0 = Minimal, 1 = Slight, 2 = Moderate, 3 = Serious, 4 = Severe)

ENCS (Japan): Components listed.

Please refer to any other federal, state and local regulations.
"Chromiccolor" Aqualite Ink LF Grade comes in various colors and types. However, they all represent equal characteristics.

ABBREVIATIONS
OSHA: The Occupational Safety and Health Administration
NTP: National Toxicology Program
IARC: International Agency for Research on Cancer
ACGIH: American Conference of Governmental Industrial Hygienists, Inc.
IMDG: International Maritime Dangerous Goods
ICAO: International Civil Aviation Organization
IATA: International Air Transport Association
TSCA: Toxic Substances Control Act
CERCLA: Comprehensive Environmental Response, Compensation and Liability Act of 1980
SARA: Superfund Amendments and Reauthorization Act of 1986
CONEG: the Coalition of Northeastern Governors
ENCS: Existing and New Chemical Substances