## 1. Product and Company Identification

**Product Name:** Jacquard Screen Inks  
**Product Code:**

<table>
<thead>
<tr>
<th>Item Numbers: 40312-1009, 40312-1019</th>
</tr>
</thead>
<tbody>
<tr>
<td>100 Extender</td>
</tr>
<tr>
<td>101 Yellow</td>
</tr>
<tr>
<td>102 Golden Yellow</td>
</tr>
<tr>
<td>103 Orange</td>
</tr>
<tr>
<td>104 Red</td>
</tr>
<tr>
<td>105 Bright Red</td>
</tr>
<tr>
<td>106 Scarlet</td>
</tr>
<tr>
<td>107 Magenta</td>
</tr>
<tr>
<td>108 Violet</td>
</tr>
<tr>
<td>109 Sky Blue</td>
</tr>
<tr>
<td>110 Royal Blue</td>
</tr>
<tr>
<td>111 Blue</td>
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<tr>
<td>112 Navy</td>
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<td>113 Turquoise</td>
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<tr>
<td>114 Yellow Green</td>
</tr>
<tr>
<td>115 Green</td>
</tr>
<tr>
<td>116 Brown</td>
</tr>
<tr>
<td>117 Black</td>
</tr>
<tr>
<td>118 White</td>
</tr>
<tr>
<td>119 Super Opaque White</td>
</tr>
<tr>
<td>120 Gold</td>
</tr>
<tr>
<td>121 Solar Gold</td>
</tr>
<tr>
<td>122 Silver</td>
</tr>
<tr>
<td>123 Copper</td>
</tr>
<tr>
<td>124 Opaque Yellow</td>
</tr>
<tr>
<td>125 Opaque Orange</td>
</tr>
<tr>
<td>126 Opaque Red</td>
</tr>
<tr>
<td>127 Opaque Violet</td>
</tr>
<tr>
<td>128 Opaque Blue</td>
</tr>
<tr>
<td>129 Opaque Green</td>
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<tr>
<td>130 Opaque Brown</td>
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<tr>
<td>132 Opaque Navy</td>
</tr>
<tr>
<td>133 Opaque Rubine</td>
</tr>
<tr>
<td>134 Opaque Ochre</td>
</tr>
<tr>
<td>140 Process Yellow</td>
</tr>
<tr>
<td>141 Process Magenta</td>
</tr>
<tr>
<td>142 Process Cyan</td>
</tr>
</tbody>
</table>

**Company:** Rupert Gibbon & Spider  
Manufacturers of Jacquard Products  
1147 Healdsburg Ave  
Healdsburg, CA 95448

## 2. Composition/information on ingredients:

Chemical nature: Formulated Polymer Product

## 3. Possible hazards:

Critical hazards to man and the environment: Non-Hazardous

## 4. First aid measures:

**General advice:** Remove contaminated clothing  
**If inhaled:** Keep patient calm, remove to fresh air  
**On skin contact:** Wash thoroughly with soap and water  
**On contact with eyes:** Wash affected eyes for at least 15 minutes  
Under running water with eyelids help open, consult an eye specialist.  
**On ingestion:** Rinse mouth and then drink plenty of water

## 5. Fire fighting measures:

Suitable extinguishing media: Water spray, dry extinguishing media, foam, carbon di-oxide (CO₂) Non-flammable and hence no fire hazard.
6. Accidental release measures:
   Personal precautions: No special measures necessary
   environmental precautions: Do not let product enter drains
   Methods for clearing up: Contain with absorbent material and dispose. Clean with water.

7. Handling and storage:
   Handling: Ensure thorough ventilation of stores and work areas
   Protection against fire: No special measures necessary.
   Storage: Keep tightly closed in a dry and cool place.

8. Exposure controls and personal protection
   Personal protective equipment
   Respiratory protection: Avoid breathing Vapour
   Hand protection: Protective gloves
   Eye protection: Goggles
   General safety and hygiene measures: The usual precautions for the handling of chemicals must be observed.

9. Physical and chemical properties:
   Odor: Arylic Odor
   Flash point: N/A
   Ignition temperature: N/A
   Explosion hazard: No explosion hazard
   Vapour pressure: N/A
   Solubility in water: Dispersible in water
10. Stability and reactivity

   Conditions to avoid: Stable
   Storage time: indefinitely
   Hazardous reactions: None, provided product is correctly processed

11. Toxicological information: NON-TOXICAL

12. Disposal consideration

   Product: Must be dumped or incinerated in accordance with local regulations
   Contaminated packaging: Uncontaminated packs can be re-used. Packs that cannot be cleaned should be disposed of in the same manner as the contents.

13. Ecological information

   General Notes:
   Do not allow material to be released to the environment without proper Governmental permits.

14. Transport Information: Not a hazardous material for transportation.

   DOT regulations
   Hazard class: Not regulated.
   Land transport ADR/RID (Cross-border)
   ADR/RID Class: Not regulated.
   Maritime transport IMDG
   IMDG Class: Not regulated.
   Air transport ICAO-TI and IATA-DGR:
   ICAO/IATA Class: Not regulated.

   Transport/Additional information: Not dangerous according to the above specifications.
15. Regulations

Product related hazard information:
*Hazard symbols: Non-hazardous

*Safety phrases:
26 In case of contact with eyes, rinse immediately with plenty of water & seek medical advice.
36 Wear suitable protective clothing.

*National regulations: All components of this product are listed in the U.S. Environmental Protection Agency Toxic Substances Control Act Chemical Substance Inventory.

*Information about limitation of use: For use only by technically qualified individuals.

16. Other Information

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgment of suitability of the information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product conformance with this Safety Data Sheet, or in combination with any product or process, is the responsibility of the user.

Department issuing SDS: Safety and Environmental Department.
Contact: R. Monte Weatherby

PS: The information-contained hereinabove is based on the present state of our knowledge and does not therefore guarantee certain properties. Recipients of our product must take responsibility for observing existing laws and regulation.
Rupert, Gibbon and Spider, Inc.
1147 Healdsburg Avenue
Healdsburg CA 95448
800-442-0455

SAFETY DATA SHEET

SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Rupert, Gibbon and Spider, INC: Photo Emulsion
Emergency Phone Number: Poison Control (800) 222-1222 Signal Word N/A

SECTION 2 — HAZARDS IDENTIFICATION

This chemical is considered nonhazardous according to GHS classifications for the Hazard Communication Standard. Treat all laboratory chemicals with caution. Although this material is considered to be nonhazardous, unpredictable reactions among chemicals are always possible. Prudent laboratory practices should be observed.

SECTION 3 — COMPOSITION INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Formula</th>
<th>Formula Weight</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyvinyl Acetate</td>
<td>9003-20-7</td>
<td></td>
<td>25-55%</td>
</tr>
<tr>
<td>Polyvinyl Alcohol</td>
<td>9002-89-5</td>
<td>[CH2CH(OH)]n Varies 18.00</td>
<td>12-35%</td>
</tr>
<tr>
<td>Bozoate Ester</td>
<td>propriety</td>
<td></td>
<td>5-18%</td>
</tr>
<tr>
<td>WATER</td>
<td>7732-18-5</td>
<td>H2O</td>
<td></td>
</tr>
</tbody>
</table>

Solution Polyvinyl alcohol Water Synonyms: Quieting solution; PVA solution WATER & BENZOATE ESTER

SECTION 4 — FIRST AID MEASURES

This chemical is considered nonhazardous according to GHS classifications for the Hazard Communication Standard. Treat all laboratory chemicals with caution. Although this material is considered to be nonhazardous, unpredictable reactions among chemicals are always possible. Prudent laboratory practices should be observed.

SECTION 5 — FIRE FIGHTING MEASURES

Nonflammable, noncombustible solution. NFPA CODE None established

In case of fire: Use a tri-class dry chemical fire extinguisher.
SECTION 6 — ACCIDENTAL RELEASE MEASURES

Contain spill with sand or absorbent material; deposit in sealed bag or container. See Sections 8 and 13 for further information.

Revision Date: JUNE 16, 2015
Emergency Phone Number: Poison Control (800-222-1222)

SECTION 7 — HANDLING AND STORAGE

Flinn Suggested Chemical Storage Pattern: Organic #2. Store with alcohols, glycols, amines and amides. Keep tightly closed. This substance will act as a growth media and should be kept cool. If you can, keep it in a plastic bag in the laboratory refrigerator.

SECTION 8 — EXPOSURE CONTROLS PERSONAL PROTECTION

Wear protective gloves, protective clothing, and eye protection. Wash hands thoroughly after handling.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

RED, viscous liquid. Odorless.

SECTION 10 — STABILITY AND REACTIVITY

Shelf life: Poor, unless kept cool and uncontaminated.

SECTION 11 — TOXICOLOGICAL INFORMATION

Acute effects: N.A. ORL-RAT LD50: 23,854 mg/kg (as PVA)
Chronic effects: N.A. IHL-RAT LC50: N.A.
Target organs: N.A. SKN-RBT LD50: N.A.

N.A. = Not available, not all health aspects of this substance have been fully investigated.

SECTION 12 — ECOLOGICAL INFORMATION

Data not yet available.

SECTION 13 — DISPOSAL CONSIDERATIONS
Please review all federal, state and local regulations that may apply before proceeding. Rupert, Gibbon, and Spider, Inc. Suggested Disposal Method #26b is one option.

SECTION 14 — TRANSPORT INFORMATION

Shipping name: Not regulated. Hazard class: N/A. UN number: N/A.

N/A = Not applicable

SECTION 15 — REGULATORY INFORMATION

Not listed.

SECTION 16 — OTHER INFORMATION

This Safety Data Sheet (SDS) is for guidance and is based upon information and tests believed to be reliable. Rupert, Gibbon, and Spider, INC. makes no guarantee of the accuracy or completeness of the data and shall not be liable for any damages relating thereto. The data is offered solely for your consideration, investigation, and verification. The data should not be confused with local, state, federal or insurance mandates, regulations, or requirements and CONSTITUTE NO WARRANTY. Any use of this data and information must be determined by the science instructor to be in accordance with applicable local, state or federal laws and regulations. The conditions or methods of handling, storage, use and disposal of the product(s) described are beyond the control of Flinn Scientific, Inc. and may be beyond our knowledge. FOR THIS AND OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSAL OF THIS PRODUCT(S).