1. PRODUCT IDENTIFICATION

<table>
<thead>
<tr>
<th>PRODUCT NAME:</th>
<th>#1150 Various Colors Ink</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRODUCT COLORS:</td>
<td>Black, Red, Green, Blue</td>
</tr>
<tr>
<td>RECOMMENDED USE:</td>
<td>Coding &amp; Marking</td>
</tr>
<tr>
<td>RECOMMENDED restrictions:</td>
<td>None known</td>
</tr>
</tbody>
</table>

Manufacturer/Supplier:
PANNIER CORPORATION
207 SANDUSKY STREET
PITTSBURGH, PA 15212-5823 U.S.A.

Emergency Telephone Number:
INFOTRAC: 1-800-535-5053

2. HAZARDS IDENTIFICATION

| Physical hazards | Not classified |
| Health hazards | Acute toxicity, oral Category 4 |
| | Serious eye damage/eye irritation Category 2B |
| | Specific target organ toxicity Category 2 (Kidney) |

OSHA defined hazards:
Not classified

Label elements

Pictogram

Signal Word: Warning

Hazard Statement: Harmful if swallowed. Causes eye irritation. May cause damage to organs (Kidney) through prolonged or repeated exposure

Precautionary Statements:
Prevention: Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Do not breathe mist or vapor.
Response: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. If swallowed: Call a poison center/doctor if you feel unwell. Rinse mouth. Get medical advice/attention if you feel unwell.
Storage: Store away from incompatible materials.
Disposal: Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC): None known.

3. COMPOSITION AND INFORMATION ON INGREDIENTS
4. FIRST AID MEASURES

First Aid Measures

Inhalation
Move to fresh air. If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms develop or exist.

Skin contact
Wash off immediately with soap and plenty of water. Take off contaminated clothing and wash before reuse. Get medical attention if irritation develops and persists.

Eye contact
Flush eyes immediately with large amounts of water. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

Ingestion
Never give anything by mouth to a victim who is unconscious or is having convulsions. Rinse mouth thoroughly. Only induce vomiting at the instruction of medical personnel. Get medical attention.

Most important symptoms/effects acute and delayed
May cause eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause mild skin irritation.

Indication of immediate medical attention and special treatment needed
Provide general supportive measures and treat symptomatically. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

General information
If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

5. FIREFIGHTING MEASURES

Suitable extinguishing media:
Water fog, Multipurpose foam, Dry chemical, CO2

Unsuitable extinguishing media:
Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical
During fire, gases hazardous to health may be formed. Carbon oxides

Fire fighting equipment/instructions
Move containers from fire area if you can do so without risk.

Specific methods
Use standard firefighting procedures and consider the hazards of other involved materials.

General fire hazards
No unusual fire or explosion hazards noted. Heat may cause the containers to explode.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures
Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS. Avoid contact with skin and eyes. Wear suitable protective clothing, gloves and eye/face protection.

Methods and materials for containment and cleaning up
This product is miscible in water.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.
Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Environmental precautions
Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. Avoid discharge into drains, water courses or onto the ground. Prevent from entering into soil, ditches, sanitary sewers, waterways and/or groundwater.

7. HANDLING AND STORAGE

Precautions for safe handling
Avoid forming spray/aerosol mists. Do not breathe mist or vapor. Avoid contact with skin and eyes. Observe good industrial hygiene practices. Provide adequate ventilation. Avoid prolonged exposure. Do not taste or swallow. When using, do not eat, drink or smoke. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Wear suitable protective clothing and gloves.

Conditions for safe storage, including any incompatibilities
Store in a closed container away from incompatible materials. Store away from incompatible materials (see Section 10 of the SDS). Store between 35°F (2°C) and 120°F (49°C).

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Occupational exposure limits
US. Workplace Environmental Exposure Level (WEEL) Guides

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diethylene glycol</td>
<td>TWA</td>
<td>10 mg/m³</td>
</tr>
</tbody>
</table>

Biological limit values
No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls
Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station.

Individual protection measures, such as personal protective equipment

Eye/face protection
Wear approved safety goggles. Wear face shield if there is risk of splashes.

Skin protection
Hand protection
Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier. Be aware that the liquid may penetrate the gloves. Frequent change is advisable.

Other
Wear suitable protective clothing and gloves.

Respiratory protection
Chemical respirator with organic vapor cartridge and full facepiece. Minimise inhalation of aerosols/mists: In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.

Thermal hazards
Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations
Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Appearance</th>
<th>Physical state</th>
<th>Form</th>
<th>Color</th>
<th>Odor</th>
<th>Odor threshold</th>
<th>pH</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Colored liquid.</td>
<td>Liquid.</td>
<td>Liquid.</td>
<td>Various.</td>
<td>Characteristic.</td>
<td>7 (20°C/68°F)</td>
</tr>
</tbody>
</table>
Melting point/freezing point                        Not available.
Initial boiling point and boiling range         473°F (245°C)
Flash point                                       294.8°F (146.0°C)
Evaporation rate                                  Not available.
Flammability (solid, gas)                        Not applicable.
Upper/lower flammability or explosive limits
  Flammability limit - lower (%)                  0.7% v/v
  Flammability limit - upper (%)                  22% v/v
  Explosive limit - lower (%)                     Not available.
  Explosive limit - upper (%)                     Not available.
Vapor pressure                                   0hPa (20°C/68°F)
Vapor density                                    Not available.
Relative density                                 Not available.
Solubility(ies)
  Solubility (water)                              Completely miscible with water.
Partition coefficient (n-octanol/water)          Not available.
Auto-ignition temperature                       Not applicable.
Decomposition temperature                        Not available.
Viscosity                                         Not available.
Other information
  Density                                          1.13 g/cm³ (20°C/68°F)
  Explosive properties                            Not explosive.
  Oxidizing properties                            Not oxidizing.

10. STABILITY AND REACTIVITY

Reactivity
  The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability
  Material is stable under normal conditions.

Possibility of hazardous reactions
  Hazardous polymerization does not occur.

Conditions to avoid
  Contact with incompatible materials.

Incompatible materials

Hazardous decomposition products
  Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure
  Inhalation    May cause damage to organs through prolonged or repeated exposure by inhalation. Prolonged inhalation may be harmful.
  Skin contact  May cause mild skin irritation.
  Eye contact   Causes eye irritation.
  Ingestion     Harmful if swallowed.

Symptoms related to the physical, chemical and toxicological characteristics
  Irritation of eyes. Exposed individuals may experience eye tearing, redness, and discomfort. Edema. Prolonged contact may cause redness, irritation and dry skin.

Information on toxicological effects
  Acute toxicity    Harmful if swallowed.
  Skin corrosion/irritation Causes mild skin irritation.
  Serious eye damage/eye irritation Causes eye irritation.

Respiratory or skin sensitization
12. ECOLOGICAL INFORMATION

Ecotoxicity  
The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Persistence and degradability  
No data available.

Bioaccumulative potential  
No data available.

Mobility in soil  
This product is water soluble and may disperse in soil.

Other adverse effects  
None known.

13. DISPOSAL CONSIDERATIONS

Disposal instructions  
Dispose in accordance with all applicable regulations.

Hazardous waste code  
The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Waste from residues / unused products  
Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see Disposal instructions).

Contaminated packaging  
Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14 – TRANSPORTATION INFORMATION

DOT  
Not regulated as dangerous goods.

IATA  
Not regulated as dangerous goods.

IMDG  
Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code  
Not established.

SECTION 15 – REGULATORY INFORMATION

US federal regulations  
This product is hazardous according to OSHA 29 CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List.

CERCLA/SARA Hazardous Substances - Not applicable.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)  
Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)  
Not listed.

CERCLA Hazardous Substance List (40 CFR 302.4)  
Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)  
Immediate Hazard - Yes
SAFETY DATA SHEET

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Delayed Hazard - Yes
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

SARA 302 Extremely hazardous substance Not listed.
SARA 311/312 Hazardous chemical Yes
SARA 313 (TRI reporting) Not regulated.

Other federal regulations
Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List Not regulated.
Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130) Not regulated.
Safe Drinking Water Act (SDWA) Not regulated.
US state regulations
US. Massachusetts RTK - Substance List Not regulated.
US. New Jersey Worker and Community Right-to-Know Act Not listed.
US. Pennsylvania Worker and Community Right-to-Know Law
   Diethylene glycol (CAS 111-46-6) Not regulated.
US. Rhode Island RTK Not regulated.
US. California Proposition 65
   California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

International Inventories

<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory name</th>
<th>On inventory (yes/no)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Canada</td>
<td>Domestic Substances List (DSL)</td>
<td>Yes</td>
</tr>
<tr>
<td>Canada</td>
<td>Non-Domestic Substances List (NDSL)</td>
<td>No</td>
</tr>
</tbody>
</table>

*A “Yes” indicates this product complies with the inventory requirements administered by the governing country(s).
A “No” indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

SECTION 16 – OTHER INFORMATION

Issue Date: 30-June-2015
Replaces: 19-Jan-2015

Further information HMIS® is a registered trade and service mark of the NPCA
HMIS:

Health: 2
Flammability: 3
Reactivity: 0

NFPA ratings

DISCLAIMER OF LIABILITY

Pannier Inc. cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user’s responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.