1. IDENTIFICATION

Product identifier

Product Name: Color Philosophy Inks and Ink Re-fills

Professional use only

Product Code(s)
Recommended use of the chemical and restrictions on use

**Recommended Use**

**Uses advised against**

**Details of the supplier of the safety data sheet**

**Supplier Identification**

**Address**

**Telephone**

**E-mail**

**Emergency telephone number**

**Company Emergency Phone Number**

---

2. HAZARDS IDENTIFICATION

---
Classification

Serious eye damage/eye irritation Category 1

Appearance Color Physical state Liquid Odor Slight glycol ether

GHS Label elements, including precautionary statements

Danger

Hazard statements
Causes serious eye damage

Precautionary Statements - Prevention
Wear eye protection/ face protection

Precautionary Statements - Response

Eyes
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor

Burning sensation.

Other information
Toxic by eye contact May be harmful if swallowed

Treat symptomatically.

Unknown acute toxicity
109 % of the mixture consists of ingredient(s) of unknown toxicity
11 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
57 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
109 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
109 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)
109 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance
Not applicable.

Mixture

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS-No</th>
<th>Percent</th>
<th>Hazardous Material</th>
<th>Date HMIRA filed and</th>
</tr>
</thead>
</table>
### 4. FIRST AID MEASURES

**First aid measures**

**General advice**

Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.

**Inhalation**

Remove to fresh air. Get medical attention immediately if symptoms occur.

**Eye contact**

Get immediate medical advice/attention. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area.

**Skin contact**

Wash off immediately with soap and plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists.

**Ingestion**

Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician.

**Self-protection of the first aider**

Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).

**Most important symptoms and effects, both acute and delayed**

**Symptoms**

**Indication of any immediate medical attention and special treatment needed**

**Note to physicians**

### 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media**

CAUTION: Use of water spray when fighting fire may be inefficient.

**Specific hazards arising from the chemical**

No information available.

**Hazardous Combustion Products**

Carbon oxides.

**Explosion Data**

**Sensitivity to Mechanical Impact**

None.
Sensitivity to Static Discharge
None.

Special protective equipment for fire-fighters
Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures
Avoid contact with skin, eyes or clothing. Use personal protective equipment as necessary.

Personal precautions
Refer to protective measures listed in Sections 7 and 8.

Other Information

Environmental precautions
Prevent further leakage or spillage if safe to do so.

Methods and material for containment and cleaning up
Prevent further leakage or spillage if safe to do so.

Methods for containment
Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

Methods for cleaning up
Clean contaminated objects and areas thoroughly observing environmental regulations.

Prevention of secondary hazards

7. HANDLING AND STORAGE

Precautions for safe handling
Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product.

Advice on safe handling

Conditions for safe storage, including any incompatibilities
Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Keep out of the reach of children.

Storage Conditions

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Limits

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH IDLH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycerol 56-81-5</td>
<td>-</td>
<td>TWA: 15 mg/m³ mist, total particulate</td>
<td>(vacated) TWA: 10 mg/m³ mist, total particulate</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA: 5 mg/m³ mist, respirable fraction</td>
<td>(vacated) TWA: 5 mg/m³ mist, total particulate</td>
</tr>
</tbody>
</table>
### Respirable Fraction

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Alberta</th>
<th>British Columbia</th>
<th>Ontario TWAEV</th>
<th>Quebec</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diethylene glycol monobutyl ether 112-34-5</td>
<td>TWA: 10 ppm</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Propylene Glycol 57-55-6</td>
<td>-</td>
<td>-</td>
<td>TWA: 10 mg/m³</td>
<td>-</td>
</tr>
<tr>
<td>Glycerol 56-81-5</td>
<td>TWA: 10 mg/m³</td>
<td>TWA: 10 mg/m³</td>
<td>TWA: 50 ppm</td>
<td>TWA: 10 mg/m³</td>
</tr>
<tr>
<td>Diethylene glycol monobutyl ether 112-34-5</td>
<td>-</td>
<td>-</td>
<td>TWA: 10 ppm</td>
<td>-</td>
</tr>
</tbody>
</table>

**Other Exposure Guidelines**

Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

### Appropriate Engineering Controls

**Engineering Controls**

- Showers
- Eyewash stations
- Ventilation systems.

**Individual Protection Measures, such as Personal Protective Equipment**

**Eye/face protection**

Tight sealing safety goggles.

**Hand Protection**

Wear suitable gloves.

**Skin and Body Protection**

Wear suitable protective clothing.

**Respiratory Protection**

No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**General Hygiene Considerations**

Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product.

### 9. Physical and Chemical Properties

**Physical and Chemical Properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Physical state</strong></td>
<td>Liquid</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Appearance</strong></td>
<td>Color</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Odor</strong></td>
<td>Slight glycol ether</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Color</strong></td>
<td>No information available</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Odor Threshold</strong></td>
<td>No information available</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>pH</strong></td>
<td>5</td>
<td></td>
<td>None known</td>
</tr>
<tr>
<td><strong>Melting point</strong></td>
<td>No data available</td>
<td></td>
<td>None known</td>
</tr>
<tr>
<td><strong>Boiling point</strong></td>
<td>No data available</td>
<td></td>
<td>None known</td>
</tr>
<tr>
<td><strong>Flash Point</strong></td>
<td>No data available</td>
<td></td>
<td>None known</td>
</tr>
<tr>
<td><strong>Evaporation Rate</strong></td>
<td>No data available</td>
<td></td>
<td>None known</td>
</tr>
<tr>
<td><strong>Flammability (solid, gas)</strong></td>
<td>No data available</td>
<td></td>
<td>None known</td>
</tr>
<tr>
<td><strong>Flammability Limit in Air</strong></td>
<td>No data available</td>
<td></td>
<td>None known</td>
</tr>
<tr>
<td><strong>Upper flammability limit</strong></td>
<td>No data available</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Lower flammability limit</strong></td>
<td>No data available</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Property</td>
<td>Value</td>
<td>Notes</td>
<td></td>
</tr>
<tr>
<td>--------------------------------------</td>
<td>------------------------------</td>
<td>---------------------</td>
<td></td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>No data available</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Vapor density</td>
<td>No data available</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Relative density</td>
<td>.88</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water Solubility</td>
<td>Soluble in water</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Solubility(ies)</td>
<td>No data available</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>Unknown</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>No data available</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Kinematic viscosity</td>
<td>No data available</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Dynamic viscosity</td>
<td>No data available</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No information available</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>No information available</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other Information</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Softening Point</td>
<td>No information available</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Molecular Weight</td>
<td>No information available</td>
<td></td>
<td></td>
</tr>
<tr>
<td>VOC Content (%)</td>
<td>No information available</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Liquid Density</td>
<td>No information available</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bulk Density</td>
<td>No information available</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Particle Size</td>
<td>No information available</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Particle Size Distribution</td>
<td>No information available</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 10. STABILITY AND REACTIVITY

| Reactivity                      | No information available.                      |
| Chemical stability              | Stable under normal conditions.                  |
| Possibility of Hazardous Reactions | None under normal processing.                  |
| Hazardous Polymerization        | Hazardous polymerization does not occur.        |
| Conditions to avoid             | None known based on information supplied.        |
| Hazardous Decomposition Products| Carbon oxides.                                   |

### 11. TOXICOLOGICAL INFORMATION

#### Information on likely routes of exposure

**Product Information**

- **Inhalation**: Specific test data for the substance or mixture is not available.
- **Eye contact**: Specific test data for the substance or mixture is not available. Severe irritation to eyes. Causes serious eye damage. May cause burns. May cause irreversible damage to eyes.
- **Skin contact**: Specific test data for the substance or mixture is not available. May cause irritation.
- **Ingestion**: Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
**Information on toxicological effects**

**Symptoms**
Redness. Burning. May cause blindness.

**Numerical measures of toxicity**

**Acute Toxicity**

The following values are calculated based on chapter 3.1 of the GHS document.

<table>
<thead>
<tr>
<th>ATEmix (oral)</th>
<th>ATEmix (dermal)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2,556.00 mg/kg</td>
<td>15,044.00 mg/kg</td>
</tr>
</tbody>
</table>

**Unknown acute toxicity**
109 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
11 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
57 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
109 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)
109 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

**Component Information**

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Oral LD50 (Rat)</th>
<th>Dermal LD50 (Rabbit)</th>
<th>Inhalation LC50 (Rat)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propylene Glycol</td>
<td>20 g/kg</td>
<td>20800 mg/kg (Rabbit)</td>
<td>-</td>
</tr>
<tr>
<td>Glycerol</td>
<td>12600 mg/kg (Rat)</td>
<td>&gt; 10 g/kg (Rabbit)</td>
<td>&gt; 570 mg/m^3 (Rat) 1 h</td>
</tr>
<tr>
<td>Triethylene glycol, monobutyl ether</td>
<td>5300 mg/kg (Rat)</td>
<td>&gt; 2000 mg/kg (Rabbit)</td>
<td>-</td>
</tr>
<tr>
<td>Diethylene glycol monobutyl ether</td>
<td>5660 mg/kg (Rat)</td>
<td>2700 mg/kg (Rabbit)</td>
<td>-</td>
</tr>
<tr>
<td>Diethylene glycol</td>
<td>12565 mg/kg (Rat)</td>
<td>11890 mg/kg (Rabbit)</td>
<td>-</td>
</tr>
</tbody>
</table>

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Skin corrosion/irritation**
May cause skin irritation.

**Serious eye damage/eye irritation**
Classification based on data available for ingredients. Causes burns. Risk of serious damage to eyes.

**Respiratory or skin sensitization**
No information available.

**Germ cell mutagenicity**
No information available.

**Carcinogenicity**
No information available.

**Reproductive toxicity**
No information available.

**STOT - single exposure**
No information available.

**STOT - repeated exposure**
No information available.

**Aspiration hazard**

12. ECOLOGICAL INFORMATION

**Ecotoxicity**

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Toxicity to Algae</th>
<th>Toxicity to Fish</th>
<th>Toxicity to Daphnia Magna (Water)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemical name</td>
<td>Log Pow</td>
<td></td>
<td></td>
</tr>
<tr>
<td>--------------------------------------------</td>
<td>-----------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Glycerol</td>
<td>-1.76</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Triethylene glycol, monobutyl ether</td>
<td>0.51</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Diethylene glycol</td>
<td>-1.98</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Persistence and Degradability
No information available.

### Bioaccumulation

### Mobility
No information available.

### Other adverse effects
No information available.

## 13. DISPOSAL CONSIDERATIONS

### Waste treatment methods
- Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.
- Do not reuse empty containers.

## 14. TRANSPORT INFORMATION

### DOT
- **Proper Shipping Name**: NON REGULATED
- **Hazard Class**: N/A
- **TDG**: Not regulated
MEX  Not regulated
ICAO  Not regulated
IATA  Not regulated
Proper Shipping Name  NON REGULATED
Hazard Class  N/A
IMDG/IMO  Not regulated
Hazard Class  N/A
RID  Not regulated
ADR  Not regulated
ADN  Not regulated

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

International Regulations
Ozone-depleting substances (ODS)  Not applicable
Persistent Organic Pollutants  Not applicable
Export Notification requirements  Not applicable

International Inventories
TSCA  Contact supplier for inventory compliance status.
DSL/NDSL  Contact supplier for inventory compliance status.
EINECS/ELINCS  Contact supplier for inventory compliance status.
ENCS  Contact supplier for inventory compliance status.
KECL  Contact supplier for inventory compliance status.
PICCS  Contact supplier for inventory compliance status.
AICS  Contact supplier for inventory compliance status.

Legend
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances PICCS -
Phillipines Inventory of Chemicals and Chemical Substances AICS -
Australian Inventory of Chemical Substances

US Federal Regulations

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS-No</th>
<th>Percent</th>
<th>SARA 313 - Threshold Values %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Triethylene glycol, monobutyl ether - 143-22-6</td>
<td>143-22-6</td>
<td>5</td>
<td>1.0</td>
</tr>
<tr>
<td>Diethylene glycol monobutyl ether - 112-34-5</td>
<td>112-34-5</td>
<td>1</td>
<td>1.0</td>
</tr>
</tbody>
</table>
Acute Health Hazard: Yes
Chronic Health Hazard: No
Fire Hazard: No
Sudden release of pressure hazard: No
Reactive Hazard: No

**CWA (Clean Water Act)**
This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**CERCLA**
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

**US State Regulations**

**California Proposition 65**
This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**
This product may contain substances regulated by state right-to-know regulations.

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>New Jersey</th>
<th>Massachusetts</th>
<th>Pennsylvania</th>
<th>Rhode Island</th>
<th>Illinois</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propylene Glycol 57-55-6</td>
<td>X</td>
<td></td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Glycerol 56-81-5</td>
<td></td>
<td>X</td>
<td></td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Triethylene glycol, monobutyl ether 143-22-6</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Diethylene glycol monobutyl ether 112-34-5</td>
<td>X</td>
<td></td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Diethylene glycol 111-46-6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>X</td>
</tr>
</tbody>
</table>

16. OTHER INFORMATION

<table>
<thead>
<tr>
<th>NFPA Health hazards</th>
<th>Flammability</th>
<th>Instability</th>
<th>Physical and Chemical Properties</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>0</td>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HMIS Health hazards</th>
<th>Flammability</th>
<th>Physical hazards</th>
<th>Personal Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>0</td>
<td>0</td>
<td>X</td>
</tr>
</tbody>
</table>

Prepared By: Product Stewardship
23 British American Blvd.
Latham, NY 12110
1-800-572-6501

Revision Date: 10-Mar-2017

Revision Note: No information available
Disclaimer
The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. It should not be construed as guaranteeing specific properties of the products as described or suitability for a particular application. While the information is believed to be accurate, Pro ColorFlex Ink Corporation makes no representations as to its accuracy or sufficiency. Conditions of use are beyond Pro ColorFlex Ink Corporation's control and therefore users are responsible to verify this data under their own operating conditions to determine if the product is suitable for their particular purposes, and they assume all risks of their use, safe handling, processing, storage, transportation, disposal and release of the product.
The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet