

**MATERIAL SAFETY DATA SHEET**  
acc to USA OSHA 29CFR1910.1200



Westar Systems LLC  
1210 W High Point lane  
Colorado Springs, CO 80904  
719-260-9777

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### 1 Identification of substance

• **Product details**

**Article number:** 140013 - Sublimation Ink - FLR Fellow

**Intended use:** Ink-jet ink for transfer printing

**Supplier:**

Westar Systems LLC  
1210 W High Point lane  
Colorado Springs, CO 80904  
719-260-9777

**Information department:** Richard Brenner/Section Safety & Environment

### 2 Composition/Data on components

• **Hazardous components per USA OSHA 29CFR1910.1200:**

56-81-5	glycerol	10-25%
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### 3 Hazards identification

• **Hazard description:** Irritant

• **Information pertaining to particular dangers for man and environment:**

The product is considered an eye irritant per OSHA.

• **Classification system:**

The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.

• **NFPA ratings (scale 0 - 4)**



• **HMS-ratings (scale 0 - 4)**

HEALTH	1	Health = 1
FIRE	1	Fire = 1
REACTIVITY	0	Reactivity = 0

Personal Protective Equipment = C

USA

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**Article number: 140013 - Sublimation Ink - FLR Yellow****4 First aid measures****• General information:**

No special measures required.

In all cases of doubt, when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

**• After inhalation:**

No adverse effect anticipated by this route of exposure. If symptoms show up, remove to fresh air.

**• After skin contact:**

Do not use solvents or thinners.

Remove contaminated clothing.

Immediately wash with water and soap and rinse thoroughly.

**• After eye contact:**

Flush eyes thoroughly with water for 15 minutes. Seek medical attention if irritation persists.

**• After swallowing:**

Keep at rest.

Do not induce vomiting; immediately call for medical help.

**5 Fire fighting measures****• Suitable extinguishing agents:**

CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

**• Unsuitable extinguishing agents:** Water with full jet**• Special hazards caused by the material, its products of combustion or resulting gases:**

Formation of toxic gases is possible during heating or in case of fire.

**• Protective equipment:** Mount respiratory protective device.**• Additional information**

Collect contaminated fire fighting water separately. It must not enter the sewage system.

Cool endangered receptacles with water spray.

**6 Accidental release measures****• Person-related safety precautions:** Ensure adequate ventilation**• Measures for environmental protection:**

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

**• Measures for cleaning/collecting:**

Absorb with liquid-binding material (sand, diatomite, sawdust).

Send for recovery or disposal in suitable containers.

Dispose contaminated material as waste according to item 13.

Avoid use of solvents.

**7 Handling and storage****• Handling:**

**• Information for safe handling:** No special measures required.

**• Information about protection against explosions and fires:** No special measures required.

**• Storage:****• Requirements to be met by storerooms and containers:**

Ideal storage temperature: 50 - 90°F.

Store in a cool location.

Use only containers specifically designed for this product.

**• Further information about storage conditions:**

Store in cool, dry conditions in well sealed containers.

Protect from heat and direct sunlight.

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### 8 Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see item 7.

- **Components with limit values that require monitoring at the workplace:**

56-81-5 glycerol

PEL	15*; 5** mg/m <sup>3</sup> *Total dust **Respirable fraction
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- **Personal protective equipment:**

- **General protective and hygienic measures:**

Wash hands before breaks and at the end of work.

Do not eat or drink while working.

The usual precautionary measures for handling chemicals should be followed.

- **Breathing equipment:** Not required.

- **Protection of hands:**



Protective gloves

- **Eye protection:**



Safety glasses

- **Body protection:** Protective work clothing

### 9 Physical and chemical properties

- **General Information**

- **Physical form:** Liquid
- **Color:** Yellow
- **Odor:** Weak

- **Change in condition**

- **Melting point/Melting range:** Not applicable
- **Boiling point/Boiling range:** 100°C (212°F)

- **Flash point:** > 100°C (> 212°F)

- **Ignition temperature:** > 400°C (> 752°F)

- **Danger of explosion:** Product does not present an explosion hazard.

- **Explosion limits:**

- **Lower:** Not applicable
- **Upper:** Not applicable

- **Vapor pressure at 20°C (68°F):** 23 hPa (17 mm Hg)

- **Density at 20°C (68°F):** 1.1 g/cm<sup>3</sup>

- **Solubility in / Miscibility with**

- **Water:** Miscible

- **pH-value at 20°C (68°F):** 8

- **Viscosity:**

- **Viscosity at 20°C (68°F):** 3 mPas

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- **Thermal decomposition / conditions to be avoided:**  
Stable under recommended storage and handling conditions.
- **Materials to be avoided:** Strong oxidizers.
- **Dangerous reactions** No dangerous reactions known if used according to specifications.
- **Dangerous products of decomposition:**  
In case of fire, carbon and nitrogen oxides are the main combustion gases.

**11 Toxicological information**

- **General notes:**  
There is no experimentally determined data available on the preparation itself.  
The product is considered to be an eye irritant.

**12 Ecological information**

- **General notes:**  
At present there are no ecotoxicological assessments.  
Do not allow product to reach ground water, water course or sewage system.

**13 Disposal considerations**

- **Product:**
  - **Recommendation:** Waste material must be disposed of in accordance with local regulations.
- **Uncleaned packagings:**
  - **Recommendation:**  
Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning.  
Packagings that cannot be cleansed are to be disposed of in the same manner as the product.

**14 Transport information**

- **DOT regulations:**
  - **Hazard class:** -
- **Land transport ADR/RID (cross-border):**
  - **ADR/RID class:** -
- **Maritime transport IMDG:**
  - **IMDG Class:** -
  - **Marine pollutant:** No
- **Air transport ICAO-TI and IATA-DGR:**
  - **ICAO/IATA Class:** -

**15 Regulations**• **SARA**• **Section 355 (Extremely hazardous substances):**

None of the ingredients are listed.

• **Section 313 (Specific toxic chemical listings):**

None of the ingredients are listed.

• **TSCA (Toxic Substances Control Act):**

All components are included in the TSCA inventory and/or comply with TSCA regulations.

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**Article number: 140013 - Sublimation Ink - FLR Yellow****• California Proposition 65****• Chemicals known to cause cancer:**

None of the ingredients are listed.

**• Chemicals known to cause reproductive toxicity:**

None of the ingredients are listed.

**• Carcinogenicity categories****• OSHA (Occupational Safety & Health Administration)**

The product do not contain any carcinogenic substances according to OSHA criterias.

**• Product related hazard informations:**

Observe the general safety regulations when handling chemicals.

The product is considered to be an eye irritant.

The product has been classified and marked in accordance with national laws.

**16 Other information**

*This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*