

# Material Safety Data Sheet

Iris Equipoise Yellow Writing Fluid / US/C



## 1. Chemical Product and Company Identification

**Common Name** : Iris Equipoise Yellow Writing Fluid / US/C

**Synonym** : Not available.

**Catalog number** : 07860-002; 07861-002; 07863-002; 07865-002;  
07866-001; 07868-001

**Area of Application** : Industrial applications. Graphic Arts product.  
Inkjet printing.

**Supplier** : Kodak Graphic Communications Canada Company  
3700 Gilmore Way  
Burnaby, BC, Canada V5G 4M1

<b>Version</b>	<b>1</b>
<b>Validation Date</b>	<b>2005-11-16</b>

**KPG#**                    **90971**

**Emergency telephone number** : **In Case of Emergency (medical/roadside) (24hrs)**

**Infotrac: 1-800-535-5053**

24-Hour Telephone for information:  
Kodak Graphic Communications Canada Company Response Center  
North America: 1-800-472-2727  
International: +1-604-451-2727

## 2. Composition, Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits
1) Glycerol	56-81-5	12 - 18	<b>ACGIH TLV (United States, 1/2005).</b> TWA: 10 mg/m <sup>3</sup> 8 hour/hours. Form: Mist <b>OSHA PEL (United States, 6/1993).</b> TWA: 5 mg/m <sup>3</sup> 8 hour/hours. Form: Respirable fraction TWA: 15 mg/m <sup>3</sup> 8 hour/hours. Form: Total dust
2) Reactive Yellow Dye		3 - 10	

## 3. Hazards Identification

**Physical State and Appearance** : Liquid.

**Emergency Overview** : MAY CAUSE ALLERGIC RESPIRATORY REACTION.  
MAY CAUSE RESPIRATORY TRACT, EYE AND SKIN IRRITATION.

**Routes of Entry** : Dermal contact. Inhalation.

### Potential Acute Health Effects

- Eyes** : Moderately irritating to eyes.
- Skin** : Moderately irritating to the skin.
- Inhalation** : Moderately irritating to the respiratory system. May cause sensitization by inhalation.
- Ingestion** : No known significant effects or critical hazards.

**Potential Chronic Health Effects** : **CARCINOGENIC EFFECTS:** Not available.  
**MUTAGENIC EFFECTS:** Not available.  
**TERATOGENIC EFFECTS:** Not available.

**Medical Conditions Aggravated by Overexposure:** : Repeated skin exposure can produce local skin destruction or dermatitis. Repeated or prolonged exposure to the substance can produce lung damage.

See Toxicological Information (section 11)

## 4. First Aid Measures

- Eye Contact** : Check for and remove any contact lenses. In case of contact with eyes, rinse immediately with plenty of water. If irritation persists, get medical attention.
- Skin Contact** : In case of contact, immediately flush skin with plenty of water. If irritation persists, seek medical attention.

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- Inhalation** : Allow the victim to rest in a well-ventilated area. If irritation persists, get medical attention.
- Ingestion** : Do not induce vomiting. Have conscious person drink several glasses of water or milk. Get medical attention.

## 5. Fire Fighting Measures

- Flammability of the Product** : Non-flammable.
- Flash Points** : >176 °C (Closed cup) Pensky-Martens.
- Hazardous thermal (de)composition products** : These products are : carbon oxides (CO, CO<sub>2</sub>) , nitrogen oxides (NO, NO<sub>2</sub> etc.) , sulfur oxides (SO<sub>2</sub>, SO<sub>3</sub> etc.)
- Fire Hazards in Presence of Various Substances** : Not available.
- Explosion Hazards in Presence of Various Substances** : Not available.
- Fire Fighting Media and Instructions** : **Suitable:** Use dry chemical, CO<sub>2</sub>, water spray (fog) or foam.  
**Not suitable:** None.
- Protective Clothing (Fire)** : Be sure to use an approved/certified respirator or equivalent.

## 6. Accidental Release Measures

- Small Spill and Leak** : Absorb with an inert material and place in an appropriate waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.
- Large Spill and Leak** : Absorb with an inert material and place in an appropriate waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

## 7. Handling and Storage

- Handling** : Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapors, spray or mists. Use with adequate ventilation. Wash thoroughly after handling.
- Storage** : Keep container tightly closed. Keep container in a cool, well-ventilated area. Prevent from freezing.

## 8. Exposure Controls, Personal Protection

- Engineering Controls** : Ventilation is normally required when handling or using this product. Ensure that eyewash stations and safety showers are close to the workstation location.

### Personal Protection

- Eyes** : Safety glasses.
- Body** : Synthetic apron.
- Respiratory** : A respirator is not needed under normal and intended conditions of product use.
- Hands** : Impervious gloves.
- Feet** : Not applicable.

### Protective Clothing (Pictograms)



- Personal Protection in Case of a Large Spill** : Splash goggles. Lab coat. Impervious gloves. Ventilation is normally required when handling or using this product.

### Product Name

1) Glycerol

2) Reactive Yellow Dye

### Exposure Limits

**ACGIH TLV (United States, 1/2005).**

TWA: 10 mg/m<sup>3</sup> 8 hour/hours. Form: Mist

**OSHA PEL (United States, 6/1993).**

TWA: 5 mg/m<sup>3</sup> 8 hour/hours. Form: Respirable fraction

TWA: 15 mg/m<sup>3</sup> 8 hour/hours. Form: Total dust

Consult local authorities for acceptable exposure limits.

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## 9. Physical and Chemical Properties

<b>Physical State and Appearance</b>	: Liquid.	<b>Odor</b>	: Not available.
		<b>Color</b>	: Yellow.
<b>pH</b>	: 3.15 to 6.55 [Acidic.]		
<b>Boiling/Condensation Point</b>	: >100 °C		
<b>Melting/Freezing Point</b>	: <0 °C		
<b>Specific Gravity</b>	: 1.04 (Water = 1)		
<b>Vapor Pressure</b>	: Not determined.		
<b>Vapor Density</b>	: >1 (Air = 1)		
<b>Volatility</b>	: 95% (w/w)		
<b>Evaporation Rate</b>	: <1		
<b>Dispersion Properties</b>	: See solubility in water		
<b>Solubility</b>	: Soluble in water		

## 10. Stability and Reactivity

<b>Stability and Reactivity</b>	: The product is stable.
<b>Conditions of Instability</b>	: Not available.
<b>Incompatibility with Various Substances</b>	: Incompatible with strong oxidizing agents.
<b>Hazardous Decomposition Products</b>	: These products are : carbon oxides (CO, CO <sub>2</sub> ) , nitrogen oxides (NO, NO <sub>2</sub> etc.) , sulfur oxides (SO <sub>2</sub> , SO <sub>3</sub> etc.)
<b>Hazardous Polymerization</b>	: Will not occur.

## 11. Toxicological Information

<b>Toxicity to Animals</b>	: <b>Glycerol:</b> ORAL (LD50): Acute: 12600 mg/kg [Rat]. DERMAL (LD50): Acute: >10000 mg/kg [Rabbit]. <b>Reactive Yellow Dye</b> LD50: Not available. LC50: Not available.
<b>Chronic Effects on Humans</b>	: Not available.
<b>Other Toxic Effects on Humans</b>	: Hazardous in case of inhalation (lung sensitizer). Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of inhalation.

## 12. Ecological Information

<b>Organics Readily Degradable (70%)</b>	: Not available.
<b>Ecotoxicity</b>	: Ecotoxicity in water (LC50): 54000 mg/l, 96 hour/hours [Fish]. (Glycerol).

## 13. Disposal Considerations

<b>Waste Information</b>	: Waste must be disposed of in accordance with federal, state and local environmental control regulations.
<b>Consult your local or regional authorities.</b>	

## 14. Transport Information

DOT Classification : Not a DOT controlled material (United States).



TDG Classification : Not a TDG-controlled material.

ADR/RID Classification : Not controlled under European ADR.

IMO/IMDG Classification : Not controlled under IMDG.

ICAO/IATA Classification : Not controlled under IATA.

## 15. Regulatory Information

HCS Classification : Irritating material  
Sensitizing material

U.S. Federal Regulations : All the ingredients are on the TSCA list.  
SARA 302 extremely hazardous substances: No products were found.  
SARA 304 emergency planning and notification: No products were found.  
SARA 302/304/311/312 hazardous chemicals: No products were found.  
SARA 311/312 MSDS distribution - chemical inventory - hazard identification: No products were found.

SARA 313 :

Reporting Requirements No products were found.  
Clean Water Act (CWA) 307: No products were found.  
Clean Water Act (CWA) 311: No products were found.  
Clean Air Act (CAA) 112(r) accidental release prevention: No products were found.

International Regulations

WHMIS (Canada) : Not available.

This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

CEPA DSL/NDSL : All the ingredients are on the DSL list.

DSCL (EEC) : This product is not classified according to EU legislation.

State Regulations : Pennsylvania RTK: Glycerol: (not a special hazard)  
Massachusetts RTK: Glycerol  
California Prop. 65: No products were found.

## 16. Other Information

Hazardous Material Information System (U.S.A.)	Health	1	National Fire Protection Association (U.S.A.)
	Fire Hazard	0	
	Reactivity	0	
	Personal Protection	C	



References : Not available.

Other Special Considerations : Not available.

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In Case of Emergency CALL 1-800-451-8346

Notice to Reader

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