

Material Safety Data Sheet

Iris Equipoise Cyan Writing Fluid / US/C



1. Chemical Product and Company Identification

Common Name : Iris Equipoise Cyan Writing Fluid / US/C

Synonym : Not available.

Catalog number : 07860-003; 07861-003; 07863-003; 07865-003;
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

Version	1
Validation Date	2005-11-16

KPG# **90941**

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	10 - 15	ACGIH TLV (United States, 1/2005). TWA: 10 mg/m ³ 8 hour/hours. Form: Mist OSHA PEL (United States, 6/1993). TWA: 5 mg/m ³ 8 hour/hours. Form: Respirable fraction TWA: 15 mg/m ³ 8 hour/hours. Form: Total dust
2) Blue dye	90295-11-7	2 - 5	

3. Hazards Identification

Physical State and Appearance : Liquid.

Emergency Overview : 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.
- 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.

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.
- Inhalation** : Allow the victim to rest in a well-ventilated area. If irritation persists, get medical attention.

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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, CO₂) , nitrogen oxides (NO, NO₂ etc.) , sulfur oxides (SO₂, SO₃ 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, CO₂, 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) Blue dye

Exposure Limits

ACGIH TLV (United States, 1/2005).

TWA: 10 mg/m³ 8 hour/hours. Form: Mist

OSHA PEL (United States, 6/1993).

TWA: 5 mg/m³ 8 hour/hours. Form: Respirable fraction

TWA: 15 mg/m³ 8 hour/hours. Form: Total dust

Consult local authorities for acceptable exposure limits.

9. Physical and Chemical Properties

Physical State and Appearance	: Liquid.	Odor	: Not available.
		Color	: Cyan
pH	: 7 [Neutral.]		
Boiling/Condensation Point	: >100 °C		
Melting/Freezing Point	: <0 °C		
Specific Gravity	: 1.04 (Water = 1)		
Vapor Pressure	: Not determined.		
Vapor Density	: >1 (Air = 1)		
Volatility	: 95% (w/w)		
Evaporation Rate	: <1		
Dispersion Properties	: See solubility in water		
Solubility	: Soluble in water		

10. Stability and Reactivity

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

11. Toxicological Information

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

12. Ecological Information

Organics Readily Degradable (70%)	: Not available.
Ecotoxicity	: Ecotoxicity in water (LC50): >3000 mg/l, 96 hour/hours [Fish]. >10000 mg/l, 48 hour/hours [Daphnia].

13. Disposal Considerations

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

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

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 Copper compound Trace
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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