


MATERIAL SAFETY DATA SHEET

SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

Product	Safranin O Solution	416-984-3000
Chemical Synonyms	N/A	NFPA 
Formula	Mixture.	HAZARD RATING LEAST SLIGHT MODERATE HIGH EXTREME 0 1 2 3 4
CAS No.	Mixture.	WHMIS

SECTION II DANGEROUS INGREDIENTS

Name	%	TLV Units
Safranin O: CAS # 477-73-6	1%	N/A
Sodium Benzoate: CAS # 532-32-1	0.2%	N/A
Water: CAS # 7732-18-5	98.8%	N/A

CAUTION!

SECTION III PHYSICAL DATA

Melting Point (°C)	~ 0°C	Specific Gravity (H ₂ O = 1)	~ 1.0
Boiling Point (°C)	~ 100°C	Percent Volatile by Volume (%)	98.8%
Vapor Pressure (mm Hg)	14 (water)	Evaporation Rate (Water = 1)	> 1
Vapor Density (Air=1)	0.7 (water)		
Solubility in Water	Complete.		
Appearance & Odor	Dark red-brown liquid; no odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash point	Non-flammable.	Flammable Limits in Air % by Volume	N/A	Lower	Upper
Firefighting Procedures	Use dry chemical, CO ₂ , water spray or foam.				

Flammability and Explosion Hazards	N/A
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TDG	Not controlled under TDG.
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SECTION V REACTIVITY DATA SS0030

Chemical Stability	Yes	X	If no, under what conditions?
	No		
Incompatible with Other products	Yes	X	Strong oxidizers.
	No		
Hazardous Decomposition Products	Carbon oxides, chloride fumes, nitrogen oxides.		
Reactive under what conditions	Heat, light and incompatible materials.		

SECTION VI TOXICOLOGICAL PROPERTIES

Route of Entry	Ingestion. Skin contact.
TLV	N/A
Toxicity for animals	N/A
Chronic effects on humans	There is no known effects from chronic exposure to this product. Target organs: None known.
Acute effects on humans	May be harmful if ingested. May cause eye irritation, skin irritation.

SECTION VII PREVENTIVE MEASURES

Waste Disposal	Discharge, treatment, or disposal may be subject to local laws. Consult your local or regional authorities.
Storage	Keep in a cool, well ventilated place. Keep container tightly closed.
Precautions	Avoid contact with skin and eyes. Do not inhale vapor or spray. DO NOT ingest. If ingested, seek medical advice immediately.
Spill or leak	Dilute with water and mop up, or absorb with an inert DRY material and place in an appropriate waste disposal container.
Protective Clothing	Splash goggles, lab coat, vapor respirator, gloves.

SECTION VIII FIRST AID MEASURES

Specific first aid measures	Eye contact: Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Skin contact: If the chemical touches the victim's exposed skin, such as the hands: Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Inhalation: Allow victim to rest in a well ventilated area. Seek immediate medical attention. Ingestion: Have conscious person drink several glasses of water or milk. INDUCE VOMITING. Seek immediate medical attention.
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SECTION IX PREPARATION OF THE MSDS

Rev. No.	2	Date	June 14, 2001	Approved	Michael Raszeja
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