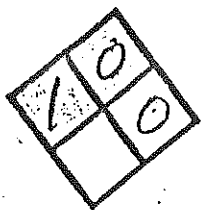


Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.



U.S. Department of Labor
Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072



IDENTITY (As Used on Label and List) **A TRADE SECRET**
HD-602 HOLOGRAM DEVELOPER FORMULA

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Section I

Manufacturer's Name PHOTOGRAPHERS FORMULARY	Emergency Telephone Number (406) 543-4534 1-800-777-7158
Address (Number, Street, City, State, and ZIP Code) PO BOX 5105 MISSOULA MT 59806	Telephone Number for Information 1-800-777-7158
INFORMATION IN THIS MSDS SHEET contains the information for all chemicals in mixture.	Date Prepared 9-13-88
	Signature of Preparer (optional)

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
This mixture contains eight (8) chemical compounds in two (2) aqueous solutions. This mixture is a trade secret formula. The hazards for chemicals not named here are stated elsewhere on sheet.				

WATER	H2O	1st solution		+/- 84.2%
PYROGALLOL	C6-H6-O3	None established		+/- 2.5%
CHEMICAL #2		None established		+/- .025%
CHEMICAL #3		None established		+/- .025%
SODIUM SULFITE	Na2 So3	None established		+/- 6.5%
CHEMICAL #5		None established		+/- 2.5%
SODIUM CARBONATE	Na2 Co3	None established		+/- 4.25%
CHEMICAL #7		1mg/m ³		+/- .4%
CHEMICAL #8		1mg/m ³		+/- .2%

Section III — Physical/Chemical Characteristics

Boiling Point	NA	Specific Gravity (H ₂ O = 1)	NA
Vapor Pressure (mm Hg.)	NA	Melting Point	NA
Vapor Density (AIR. = 1)	NA	Evaporation Rate (Butyl Acetate = 1)	NA
Solubility in Water 100%			
Appearance and Odor CLEAR, NO ODOR			

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used) Is not combustible	Flammable Limits NA	LEL	UEL
Extinguishing Media NA			
Special Fire Fighting Procedures NA			
Unusual Fire and Explosion Hazards NA			

Section V — Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable	x	Strong acids and oxidizers

Incompatibility (Materials to Avoid)
Strong acids and oxidizers \ /

Hazardous Decomposition or Byproducts

TOXIC OXIDES OF CARBON

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	

Section VI — Health Hazard Data

Route(s) of Entry: EYES YES Inhalation? NO Skin? YES Ingestion? YES

Health Hazards (Acute and Chronic)

When mixed into solution very little health hazard. Eyes-Irritation.
SKIN: Irritation. INGESTION: Stomach irritation.

Carcinogenicity: NO NTP? NO IARC Monographs? NO OSHA Regulated? NO

Signs and Symptoms of Exposure

May cause irritation to mucous membranes and skin. Can cause conjunctiviti
if in contact with eyes.

Medical Conditions

Generally Aggravated by Exposure Open skin wounds can have ulceration if in contact with
solution.

Emergency and First Aid Procedures

Wash eyes or skin with lots of water. If ingested cause to vomit.

Section VII — Precautions for Safe Handling and Use

Steps to Be Taken in Case Material Is Released or Spilled

Sweep to sewer drain with very large amounts of water, to drain into sewer
system.

Waste Disposal Method

Into sewer. Once mixed this is not a hazard.

Precautions to Be Taken in Handling and Storing

Store in a cool place out of the sun in tightly sealed containers away
from acids.

Other Precautions

none

Section VIII — Control Measures

Respiratory Protection (Specify Type)

Dust mask when mixing into solution.

Ventilation	Local Exhaust	yes	Special	no
	Mechanical (General)	ok	Other	

Protective Gloves rubber gloves Eye Protection chemical goggles

Other Protective Clothing or Equipment

Apron

Work/Hygienic Practices

Use normal personal hygiene and housekeeping.