



# MATERIAL SAFETY DATA SHEET

## P222 BLEACH ILFOCHROME RAPID

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

<b>TRADE NAME:</b>	P222 BLEACH ILFOCHROME RAPID
<b>SYNONYMS:</b>	P222.7.5
<b>PART No.:</b>	IP860207P222.7.5
<b>UN/NA (PIN) No.:</b>	2796
<b>EMERGENCY TELEPHONE:</b>	FOR MEDICAL EMERGENCY IN THE UNITED STATES AND CANADA CALL 1-800-842-9660 (PRODUCT MISUSE). FOR TRANSPORTATION EMERGENCY CALL CHEMTREC 1-800-424-9300.
<b>SUPPLIER:</b>	ILFORD Imaging USA Inc West 70 Century Road, Paramus, NJ 07653 Tel: 201-265-6000
<b>CONTACT PERSON:</b>	Bryan Sammartino

### 2. COMPOSITION, INFORMATION ON INGREDIENTS

INGREDIENT NAME:	CAS No.:	CONTENTS :	EPA RQ:	TPQ:
SULPHURIC ACID	7664-93-9	1-5 %		
SODIUM 3-NITROBENZENESULFONATE	127-68-4	0-1 %		
POLYGLYCOL ETHER		0-1 %		
QUINOXALINE DERIVATIVE 7	17635-21-1	0-1 %		
3-MERCAPTO-1-PROPANESULFONIC ACID	17636-10-1	0-1 %		
POTASSIUM IODIDE	7681-11-0	1-5 %		

### 3. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW:

Colorless, odorless or slight odor, acidic, water-based, non-flammable liquid. Contains sulfuric acid.

Not regarded as a health hazard under current legislation.

#### ACUTE EFFECTS:

**INHALATION:** No specific health warnings noted.

**INGESTION:** No specific health warnings noted.

**SKIN:** No specific health warnings noted.

**EYES:** No specific health warnings noted.

#### CHRONIC EFFECTS:

**HEALTH WARNINGS:**

No specific health warnings noted. No specific acute or chronic health impact noted, but this chemical may still have adverse impact on human health, either in general or on certain individuals with pre-existing or latent health problems.

**ROUTE OF ENTRY:**

Skin and/or eye contact. Ingestion.

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**4. FIRST AID MEASURES**

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**INHALATION:** No recommendation given, but first aid may still be required in case of accidental exposure, inhalation or ingestion of this chemical. If in doubt, GET MEDICAL ATTENTION PROMPTLY!

**INGESTION:** Rinse mouth thoroughly. Drink plenty of water. Get medical attention if any discomfort continues.

**SKIN:** Rinse with water.

**EYES:** Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with lots of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

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**5. FIRE FIGHTING MEASURES**

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**EXTINGUISHING MEDIA:**

This material is not flammable. Use extinguishing media appropriate for surrounding fire.

**UNUSUAL FIRE & EXPLOSION HAZARDS:**

May develop highly toxic or corrosive fumes if heated.

**HAZARDOUS COMBUSTION PRODUCTS:**

Fire creates: Corrosive gases/vapors/fumes. Sulfurous gases (SO<sub>x</sub>).

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**6. ACCIDENTAL RELEASE MEASURES**

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**SPILL CLEAN-UP PROCEDURES:**

Use appropriate protective clothing. Do not contaminate drainage or waterways. Neutralize with sodium bicarbonate (baking soda), sodium carbonate (soda ash) or ILFORD BL/NE Neutralizer. Absorb spill with non-reactive absorbent and place in non-reactive containers for disposal. Contain Spill. Use large quantities of water to flush small spills to sanitary sewer if local regulations permit. Do not flush to septic tank. See Section 13 for disposal considerations. Flush with plenty of water to clean spillage area. Do not let washing down water contaminate ponds or waterways. Inform Authorities if large amounts are involved.

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**7. HANDLING AND STORAGE**

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**HANDLING PRECAUTIONS:**

Avoid spilling, skin and eye contact. Read and follow manufacturer's recommendations. Provide good ventilation.

**STORAGE PRECAUTIONS:**

Keep in cool, dry, ventilated storage and closed containers. Keep in original container.

**STORAGE CRITERIA:**

Corrosive storage.

## 8. EXPOSURE CONTROLS, PERSONAL PROTECTION

### PROTECTIVE EQUIPMENT:



### ENGINEERING CONTROLS:

Provide eyewash station and safety shower.

**VENTILATION:** Provide adequate general and local exhaust ventilation. Must not be handled in confined spaces without adequate ventilation. General room ventilation should provide for 10 - 15 room air changes per hour.

**RESPIRATORS:** Respiratory protection must be used if air concentration exceeds acceptable level. An acid gas/organic vapor cartridge should be used.

### PROTECTIVE GLOVES:

Use protective gloves made of: Rubber (natural, latex). Neoprene. Polyethylene.

### EYE PROTECTION:

If risk of splashing, wear safety goggles or face shield.

### PROTECTIVE CLOTHING:

Wear appropriate clothing to prevent any possibility of skin contact.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>APPEARANCE/PHYSICAL STATE:</b>	Liquid. Water soluble.	
<b>COLOR:</b>	Yellowish.	
<b>ODOR:</b>	Slight. Solvent.	
<b>SOLUBILITY DESCRIPTION:</b>	Soluble in water.	
<b>BOILING POINT (°F, interval):</b>	212	<b>PRESSURE:</b> 760mmHg
<b>DENSITY/SPECIFIC GRAVITY (g/ml):</b>	1.05	<b>TEMPERATURE (°F):</b> 68
<b>pH-VALUE, CONC. SOLUTION:</b>	<1	

## 10. STABILITY AND REACTIVITY

**STABILITY:** Normally stable.

### CONDITIONS TO AVOID:

Avoid excessive heat for prolonged periods of time.

### HAZARDOUS POLYMERIZATION:

Will not polymerize.

### MATERIALS TO AVOID:

Avoid contact with other photographic solutions and/or cleaning compounds.

### HAZARDOUS DECOMPOSITION PRODUCTS:

Irritating gases/vapors/fumes of: Sulfurous gases (SO<sub>x</sub>).

## 11. TOXICOLOGICAL INFORMATION

**TOXIC DOSE - LD 50:** sulphuric acid 2140; sodium 3-nitrobenzenesulphonate 11000 mg/kg (oral rat)

### TOXICOLOGICAL INFORMATION:

This chemical formulation has not been tested for health effects. Exposure effects listed are based on existing health data for the individual components which comprise the mixture.

## 12. ECOLOGICAL INFORMATION

LC 50, 96 HRS, FISH, mg/l: 1990 sulphuric acid  
 EC 50, 48 HRS, DAPHNIA, mg/l: 8665 sodium 3-nitrobenzenesulphonate  
**ECOLOGICAL INFORMATION:**  
 Not regarded as dangerous for the environment.

## 13. DISPOSAL CONSIDERATIONS

### DISPOSAL METHODS:

Bleach solution, both unused and spent, are RCRA Hazardous Waste UNLESS neutralized before disposal. Neutralized bleach solution may be allowed to be discharged to sanitary sewer by permit IF allowed by local regulations. Consult your local authority for advice. Do not discharge to septic system. Bleach solution that cannot be discharged to sanitary sewer can be disposed of by a licensed hazardous waste contractor.

## 14. TRANSPORT INFORMATION

### LABEL FOR CONVEYANCE:



### PROPER SHIPPING DESCRIPTION II: GENERAL:

SULFURIC ACID (<51%)  
 To obtain additional information on packaging for shipment refer to the Code of Federal Regulations - CFR 49 and your carrier.

### U.S. DOT:

UN/NA No.: 2796  
 U.S. DOT HAZARD LABEL: CORROSIVE (Black/white diam.) DOT17  
 U.S. DOT CLASS: Corrosive Material.  
 U.S. DOT PACKING GROUP: II

### SEA TRANSPORT:

UN No. SEA: 2796  
 IMDG CLASS: 8  
 IMDG PAGE No.: 8230  
 IMDG PACK GR.: II  
 EmS No.: 8-06  
 MFAG TABLE No.: 700  
 MARINE POLLUTANT: No.

### AIR TRANSPORT:

UN No., AIR: 2796  
 ICAO CLASS: 8  
 AIR PACK GR.: II  
**INFORMATION ON AIR TRANSPORT:** Ship by cargo aircraft ONLY

## 15. REGULATORY INFORMATION

### REGULATORY STATUS OF INGREDIENTS:

NAME:	CAS No:	TSCA:	CERCLA:	SARA 302:	SARA 313:	DSL(CAN):
SODIUM 3-NITROBENZENESULFONATE	127-68-4	Yes	No	No	No	Yes

QUINOXALINE DERIVATIVE 7	17635-21-1	Yes				Yes
3-MERCAPTO-1-PROPANESULFONIC ACID	17636-10-1	Yes	No	No	No	Yes

**US FEDERAL REGULATIONS:  
REGULATORY STATUS:**

TSCA: The ingredients of this product are on the TSCA Inventory.

**ENVIRONMENTAL LISTING:**

Sulfuric acid: CERCLA (EPA Superfund)-Comprehensive Environm. Response, Comp. Liability Act. Clean Water Act, S.311 (Fed.Reg.-EPA). DOT Hazardous Mat. Transp. Act (49 CFR). NIOSH Criteria Documents. OSHA Chemical Hazard Communic. Std. - Air Contaminants (29CFR1910). ACGIH Threshold Limit Values. EPA Reportable & Threshold Quantities. SARA Section 302, Extremely Hazardous Substances. SARA Section 313, Toxic Chemicals. SARA Title III Consolidated Chemical List (302, CERCLA, 313, RCRA).

**STATE REGULATIONS:  
STATE REGULATORY STATUS:**

Florida Hazardous Substance List Massachusetts Right-to-Know. Massachusetts Extraordinarily Hazardous Substances List New Jersey Right-to-Know. NJ Environmental Hazardous Substances List NJ Special Hazardous Substances List Pennsylvania Right-to-Know.

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**16. OTHER INFORMATION**

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**USER NOTES:**

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**INFORMATION SOURCES:**

European Photographic Chemical Industry Code of Practice For Classification And Labelling Material Safety Data Sheet, Misc. manufacturers. Safeware Quasar Ltd USA Regulatory Information ANSI Z400.1-1998 Material Safety Data Sheets - Preparation

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**REVISION No./Repl. MSDS of:**

16/5/97