



MATERIAL SAFETY DATA SHEET

P22 BLEACH - A - ILFOCHROME RAPID

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

TRADE NAME:	P22 BLEACH - A - ILFOCHROME RAPID
SYNONYMS:	BL 22.15 Part A
PART No.:	IP910730BL22.15
UN/NA (PIN) No.:	2796
EMERGENCY TELEPHONE:	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.
SUPPLIER:	ILFORD Imaging USA Inc West 70 Century Road, Paramus, NJ 07653 Tel: 201-265-6000
CONTACT PERSON:	Bryan Sammartino

2. COMPOSITION, INFORMATION ON INGREDIENTS

INGREDIENT NAME:	CAS No.:	CONTENTS :	EPA RQ:	TPQ:
SULPHURIC ACID	7664-93-9	10-30 %		
SODIUM 3-NITROBENZENESULFONATE	127-68-4	1-5 %		

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

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

Causes severe burns. May cause sensitisation by skin contact. Risk of serious damage to eyes.

ACUTE EFFECTS:

INHALATION: Vapour from this chemical can be hazardous when inhaled.

INGESTION: Causes severe burns. May cause severe internal injury. May cause stomach pain or vomiting. May cause chemical burns in mouth, oesophagus and stomach.

SKIN: Causes severe burns. May cause sensitisation by skin contact. May cause allergic contact eczema.

EYES: Causes severe burns. Risk of serious damage to eye. May cause chemical eye burns. Irritation, burning, lacrimation, blurred vision after liquid splash.

CHRONIC EFFECTS:

HEALTH WARNINGS:

This substance is corrosive. Causes severe burns. May cause severe internal injury. May cause irritation to the respiratory system. This chemical may cause skin/eye irritation and burns (corrosive). May cause burns in mucous membranes, throat, oesophagus and stomach. May cause serious chemical burns to the skin.

ROUTE OF ENTRY:

Inhalation. Ingestion. Skin and/or eye contact.

MEDICAL INFORMATION:

May aggravate existing: Skin disorders and allergies.

4. FIRST AID MEASURES

INHALATION: Move the exposed person to fresh air at once. Rinse nose and mouth with water. Provide rest, warmth and fresh air. Get medical attention if any discomfort continues.

INGESTION: DO NOT INDUCE VOMITING! Remove victim immediately from source of exposure. Rinse mouth thoroughly. Immediately give a couple of glasses of water, provided the victim is fully conscious. Get medical attention immediately!

SKIN: Remove affected person from source of contamination. Immediately remove contaminated clothing. Rinse the skin immediately with lots of water. Get medical attention immediately. Chemical burns must be treated by a physician.

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 and get medical attention.

5. FIRE FIGHTING MEASURES

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_x).

6. ACCIDENTAL RELEASE MEASURES

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.

7. HANDLING AND STORAGE

HANDLING PRECAUTIONS:

Read and follow manufacturer's recommendations. Avoid spilling, skin and eye contact. Provide good ventilation. Never add water to acid! Persons with impaired lung functions should not handle this preparation.

STORAGE PRECAUTIONS:

Keep in cool, dry, ventilated storage and closed containers. Store below 75°F. Keep in original container. Keep containers closed tightly.

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:

Use safety goggles and face shield in case of splash risk.

PROTECTIVE CLOTHING:

Wear appropriate clothing to prevent any possibility of skin contact. Wear rubber apron.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE/PHYSICAL STATE:	Liquid. Water soluble.	
COLOR:	Colorless.	
ODOR:	No characteristic odor.	
SOLUBILITY DESCRIPTION:	Soluble in water.	
BOILING POINT (°F, interval):	212	PRESSURE: 760mmHg
DENSITY/SPECIFIC GRAVITY (g/ml):	1.20	TEMPERATURE (°F): 68
pH-VALUE, CONC. SOLUTION:	<1.0	

10. STABILITY AND REACTIVITY

STABILITY: Normally stable.

CONDITIONS TO AVOID:

Avoid contact with: Strong alkalis. Avoid excessive heat for prolonged periods of time.

HAZARDOUS POLYMERIZATION:

Will not polymerize.

MATERIALS TO AVOID:

Bases, alkalies (inorganic). Avoid contact with other photographic solutions and/or cleaning compounds.

HAZARDOUS DECOMPOSITION PRODUCTS:

Irritating gases/vapors/fumes of: Sulfurous gases (SO_x).

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. Add a solid neutralizing agent (ILFORD N4/22.4, sodium carbonate, calcium hydroxide etc.) and mix well into chemical/inert mixture.

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
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**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.

16. OTHER INFORMATION

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

PREPARED BY:

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REVISION No./Repl. MSDS of:

16/5/97