



MATERIAL SAFETY DATA SHEET

P30 BLEACH - A - ILFOCHROME CLASSIC

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

| | |
|-----------------------------|--|
| TRADE NAME: | P30 BLEACH - A - ILFOCHROME CLASSIC |
| SYNONYMS: | BL 30 Part A |
| PART No.: | IP931111BL30A |
| UN/NA (PIN) No.: | 2586 |
| 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: |
|---|------------|------------|---------|------|
| QUINOXALINE DERIVATIVE 7 | 17635-21-1 | 0-1 % | | |
| SODIUM 3-NITROBENZENESULFONATE | 127-68-4 | 1-5 % | | |
| TOLUENESULFONIC ACID -para <= 5% H2-SO4 | 104-15-4 | 5-10 % | | |

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

Yellowish, slight ammonia odor, acidic, water-based, non-flammable liquid.

May cause sensitisation by skin contact.

ACUTE EFFECTS:

INHALATION: No specific health warnings noted.

INGESTION: No specific health warnings noted.

SKIN: May cause sensitisation by skin contact. May cause allergic contact eczema.

EYES: Irritating to eyes.

CHRONIC EFFECTS:

HEALTH WARNINGS:

Prolonged or repeated exposure may cause severe irritation. May cause skin irritation/eczema. May cause sensitisation by skin contact. Liquid may irritate the skin. May cause allergy. May cause hypersensitivity.

ROUTE OF ENTRY:

Skin and/or eye contact. Ingestion.

MEDICAL INFORMATION:

May aggravate existing: Skin disorders and allergies.

4. FIRST AID MEASURES

INHALATION:

Move the exposed person to fresh air at once. 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. Get medical attention immediately! Immediately give a couple of glasses of water, provided the victim is fully conscious.

SKIN:

Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if irritation persists after washing.

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.

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:

Avoid spilling, skin and eye contact. Provide good ventilation. Individuals liable to allergic reactions should not handle the product. Read and follow manufacturer's recommendations.

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:

Chemical 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:

Wear approved safety goggles.

PROTECTIVE CLOTHING:

Wear rubber apron.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | | |
|---|-------------------|----------------------|
| APPEARANCE/PHYSICAL STATE: | Liquid. | |
| COLOR: | Yellowish. | |
| ODOR: | Slight. Ammonia. | |
| SOLUBILITY DESCRIPTION: | Soluble in water. | |
| BOILING POINT (°F, interval): | 212 | PRESSURE: 760mmHg |
| DENSITY/SPECIFIC GRAVITY (g/ml): | 1.04 | TEMPERATURE (°F): 68 |
| pH-VALUE, CONC. SOLUTION: | <1.0 | |

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_x).

11. TOXICOLOGICAL INFORMATION

TOXIC DOSE - LD 50:

p-toluenesulphonic acid 1000; sodium 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: >500 p-toluenesulphonic acid
EC 50, 48 HRS, DAPHNIA, mg/l: 8665 sodium 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:**

ARYLSULPHONIC ACID <5% SULPHURIC ACID
LIMITED QUANTITY EXEMPTION 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.: 2586
U.S. DOT HAZARD LABEL: CORROSIVE (Black/white diam.) DOT17
U.S. DOT CLASS: Corrosive Material.

SEA TRANSPORT:

UN No. SEA: 2586
IMDG CLASS: 8
IMDG PAGE No.: 8105
EmS No.: 8-06
MFAG TABLE No.: 700
MARINE POLLUTANT: No.

AIR TRANSPORT:

UN No., AIR: 8
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): |
|--------------------------|------------|-------|---------|-----------|-----------|-----------|
| QUINOXALINE DERIVATIVE 7 | 17635-21-1 | Yes | | | | Yes |

| | | | | | | |
|---|----------|-----|----|----|----|-----|
| SODIUM 3-NITROBENZENESULFONATE | 127-68-4 | Yes | No | No | No | Yes |
| TOLUENESULFONIC ACID -para <= 5% H2-SO4 | 104-15-4 | Yes | No | No | No | |

**US FEDERAL REGULATIONS:
REGULATORY STATUS:**

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

**STATE REGULATIONS:
STATE REGULATORY STATUS:**

Florida Hazardous Substance List Massachusetts Right-to-Know. 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