

ILFORD IMAGING USA INC -- IP910730F22.15, P22 FIXER -- 6750-01-313-1955

=====  
Product Identification  
=====

Product ID:IP910730F22.15, P22 FIXER  
MSDS Date:08/16/2000  
FSC:6750  
NIIN:01-313-1955  
Status Code:A  
MSDS Number: CLSHW  
=== Responsible Party ===  
Company Name:ILFORD IMAGING USA INC  
Address:W 70 CENTURY RD  
City:PARAMUS  
State:NJ  
ZIP:07652-1490  
Country:US  
Info Phone Num:201-265-6000 /FAX: 201-265-0894  
Emergency Phone Num:(800)424-9300  
Resp. Party Other MSDS Num.:10136-P22 FIXER  
Preparer's Name:DR. D. W. BUTCHER  
Chemtrec Ind/Phone:(800)424-9300  
CAGE:0LT87  
=== Contractor Identification ===  
Company Name:ILFORD IMAGING USA INC  
Address:33 LEWIS RD  
Box:City:BINGHAMTON  
State:NY  
ZIP:13905  
Country:US  
Phone:607-766-3153/ FAX 201-225-3514  
CAGE:0LT87

=====  
Composition/Information on Ingredients  
=====

Ingred Name:AMMONIUM SULFITE  
CAS:10196-04-0  
Fraction by Wt: 5-10%  
EPA Rpt Qty:50

00 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:AMMONIUM THIOSULPHATE  
CAS:7783-18-8  
RTECS #:XN6465000  
Fraction by Wt: 30-60%

Ingred Name:NITRILOTRIACETIC ACID  
CAS:139-13-9  
RTECS #:AJ0175000  
Fraction by Wt: 0-1%

Ingred Name:N-METHYL-2-PYRROLIDONE  
CAS:872-50-4  
RTECS #:UY5790000  
Fraction by Wt: 10-30%

===== Hazards Identification =====

Routes of Entry: Inhalation:UNKNOWN Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:UNKNOWN IARC:YES

Health Hazards Acute an

d Chronic:INHALATION: NO SPECIFIC HEALTH

WARNINGS NOTED INGESTION: MAY CAUSE DISCOMFORT IF SWALLOWED. SKIN:  
IRRITATING TO SKIN. EYES: IRRITATING TO EYES.

Explanation of Carcinogenicity:NITRILOTRIACETIC ACID: NTP: CARCINOGENS  
(DHHS). IARC 2B IARC ANIMAL CARCINOGEN LIST. IARC INT. AGENCY FOR  
RESEARCH CANCER.

Effects of Overexposure:SEVERLY IRRITATION BY PROLONGED OR REPEATED  
EXPOSURE. IRRITATING. THE LIQUID CAN IRRITATE THE SKIN.

Medical Cond Aggravated by Exposure:MAY AGGRAVA

TE EXISTING: SKIN

DISORDERS AND ALLERGIES. PRE-EXISTING EYE PROBLEMS.

===== First Aid Measures =====

First Aid: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 IMMEDI ATELY FROM SOURCE OF EXPOSURE. RINSE MOUTH  
THOROUGHLY. GET MEDICAL ATTENTION IMMEDIATELY! IMMEDIATELY GIVE A  
COUPLE GLASSES

OF WATER, PROVIDED THE VICTIM IS FULLY CONSCIOUS.

SKIN: REMOVE AFFECTED PERSONS FROM SOURCE OF CONTAMINATION. REMOVE CONTAMINATED CLOTHING. WASH THE SKIN IMMEDIATELY WITH SOAP AND WATER. GET MEDICAL ATTENTION IF IRRITATION PERSISTS AFTER WASHING. (SEE OTHER INFORMATION).

===== Fire Fighting Measures =====

Flash Point:NA

Autoignition Temp:Autoignition Temp Text:NA

Lower Limits:NA

Upper Limits:NA

Extinguishing Media:THIS MATERIAL IS NOT FLAMMABLE. USE EXTINGUISHING

MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Unusual Fire/Explosion Hazard:NO UNUSUAL FIRE OR EXPLOSION HAZARDS

NOTED. HAZARDOUS COMBUSTION PRODUCTS: AMONIA OR AMINES. SULFUR DIOXIDE

===== Accidental Release Measures =====

Spill Release Procedures:DO NOT CONTAMINATE DRAINAGE OR WATERWAYS.

ABSORB SPILL WITH NON-REACTIVE ABSORBENT AND PLACE IN NON-REACTIVE CONTAINERS FOR DISPOSAL. CONTAIN SPILL. USE LARGE QUANTITIES OF WATER

DO NOT FLUSH SMALL SPILLS TO SANITARY SEWER IF LOCAL REGULATIONS PERMIT. DO NOT FLUSH TO SEPTIC TANK.

===== Handling and Storage =====

Handling and Storage Precautions:AVOID SPILLING, SKIN AND EYE CONTACT.

READ AND FOLLOW MANUFACTURER'S RECOMMENDATIONS. PROVIDE GOOD VENTILATION. KEEP IN COOL, DRY, VENTILATED STORAGE AND CLOSED CONTAINERS. KEEP IN ORIGINAL CONTAINERS STORED BELOW 75 F.KEEP CONTAINERS TIGHTLY CLOSED. KEEP IN ORIGINAL CONTAINER.

Other

Precautions:DO NOT DISCHARGE TO SEPTIC SYSTEM. WASTE THAT CANNOT BE DISCHARGED TO SEWER MAY HAVE TO BE HANDLED BY A LICENSED HAZARDOUS WASTE CONTRACTOR.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:RESPIRATORY PROTECTION MUST BE USED IF AIR

CONCENTRATION EXCEEDS ACCEPTABLE LEVEL. AN ACID GAS/ORGANIC VAPOR CARTRIDGE SHOULD BE USED.

Ventilation:PROVIDE ADEQUATE GENERAL AND LOCAL EXHAUST VENTILATION. MUST NOT BE HANDLED IN CONFINE

NED SPACES WITHOUT ADEQUATE VENTILATION. (SEE SUPPLEMENTAL DATA).

Protective Gloves:NEOPRENE, NITRILE, POLYETHYLENE BUTYL RUBBER. \*(SEE SUPPLEMENTAL DATA).

Eye Protection:WEAR APPROVED SAFETY GOGGLES.

Other Protective Equipment:PROVIDE EYEWASH STATION AND IT IS RECOMMENDED THAT A SAFETY SHOWER IS ALSO AVAILABLE. WEAR APPROPRIATE CLOTHING TO PREVENT ANY POSSIBOILITY OF SKIN CONTACT.

Supplemental Safety and Health

GENERAL ROOM VENTILATION SHOULD PROVIDE FOR 10-15 ROOM AIR CHANGES PER

HOUR. \*USE THIN COTTON GLOVES INSIDE THE RUBBER GLOVES IF ALLERGY RISK.

===== Physical/Chemical Properties =====

HCC:T6

Boiling Pt:>37.8C, 100.F

Melt/Freeze Pt:1000

NITRILOTRIACETIC ACID; 5000 N-METHYLPYROLIDONE. EC 50, 48 HRS, DAPNIA, MG/L: > 100 NITRILOTRIACETIC ACID; 5000 N-METHYLPYROLIDONE. ECOLOGICAL INFORMATION: NOT REGULATED AS DANGEROUS FOR THE ENVIRONMENT.

===== Disposal Considerations =====

Waste

Disposal Methods:UNUSED AND SPENT SOLUTIONS MAY BE ALLOWED TO BE DISCHARGED TO SANITARY SEWER BY PERMIT IF ALLOWED BY LOCAL REGULATIONS. CONSULT YOUR LOCAL AUTHORITY FOR ADVICE. WASTE MAY HAVE TO BE PRETREATED BEFORE DISCHARGE. CONSULT LOCAL AUTHORITIES BEFORE DISCHARGING ANY WASTE TO SEWER. DO NOT DISCHARGE TO SEPTIC SYSTEM

===== MSDS Transport Information =====

Transport Information:ADR CLASS: NOT CLASSIFIED FOR TRANSPORTATION. ROAD T

RANSPORT NOTES: NOT CLASSIFIED FOR ROAD TRANSPORT RAIL

TRANSPORT NOTES: NOT CLASSIFIED FOR RAIL TRANSPORT SEA TRANSPORT

NOTES: NOT CLASSIFIED FOR SEA TRANSPORT AIR TRANSPORT NOTES: NOT CLASSIFIED FOR AIR TRANSPORTD

===== Regulatory Information =====

SARA Title III Information:TSCA: THE INGREDIENTS OF THIS PRODUCT ARE ON THE TSCA INVENTORY. CANADIAN WHMIS CLASSIFICATION.

Federal Regulatory Information:TSCA: THE INGREDIENTS OF THIS PRODUCT

ARE ON THE TSCA INVENTORY. CANADIAN WHMIS CLASSIFICATION.

State Regulatory Information:PROPSITION 65: THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S)CONSIDERED BY THE STATE OF CALIFORNIA'S SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986 AS CAUSING CANCER OR REPRODUCTIVE TOXICICTY, AND FOR WHICH WARNINGS ARE NOW REQUIRED: NITRILOTRIACETIC ACID. FLORIDA HAZARDOUS SUBSTANCES LIST MASSACHUSETTS RIGHT TO KNOW. MASSACHUSETTS EXTRAORDINARILY HAZARDOUS SUBSTANCES LIST NEW JERSEY RIGHT TO KNOW.

===== Other Information =====

Disclaimer (provided with this information by the compiling agencies):  
This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and

assume responsibility for the suitability of this information to their particular situation.