

Item Name: PYROFOTO  
MATERIAL SAFETY DATA SHEET  
Company's Name: ROCKLAND COLLOID LLC  
Company's Street: PO Box 3120  
Company's City: Oregon City  
Company's State: OR  
Company's Country: US  
Company's Zip Code: 97045  
Company's Emergency Ph #: 914-413-3000  
Date MSDS Prepared: January 10, 2007  
Safety Data Review Date: 1/3/13  
Unit of Issue: 250 CC'S  
Type of Container: PLASTIC BOTTLE

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Ingredients/Identity Information  
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Proprietary: NO  
Ingredient: Soft Gelatin/Synthetic Colloid Mix (Proprietary)  
Ingredient Sequence No.: 1  
Ingredient Percent: 9  
Hazardous Information: N/V

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Proprietary: NO  
Ingredient: Ammonium Hydroxide (SARA III)  
Ingredient Sequence No.: 2  
Percent: 2  
NIOSH (RTECS) Number: BQ9625000  
CAS Number: 1336-21-6  
OSHA PEL: Not Established  
ACGIH TLV: Not Established

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RTECS #: HX7650000  
Name: Ammonium Dichromate  
Ingredient Sequence No.: 3  
Percent by Wt: 0.2  
OSHA PEL: SEE TABLE Z-2  
CAS Number: 7789-09-5  
ACGIH TLV: 0.05 MG/M3  
ACGIH STEL: Not Established

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Proprietary: NO  
Ingredient: WATER  
Ingredient Sequence Number: 4  
Percent: BALANCE\*  
NIOSH (RTECS) Number: ZC0110000  
CAS Number: 7732-18-5  
OSHA PEL: Not Established  
ACGIH TLV: Not Established

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\* Bottle may also contain up to 20% of inert color pigment. Pigment is insoluble, non-toxic, non flammable. Only pigment and gelatin remain after processing.  
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Physical/Chemical Characteristics  
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Appearance And Odor: Colorless liquid, slight ammonia odor  
Boiling Point: >212 F 100 C  
Vapor Pressure (MM Hg/70 F): 584  
Vapor Density (Air=1): <1  
Specific Gravity: .980  
Evaporation Rate And Ref: ETHER <1  
Percent Volatiles By Volume: 9%

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Fire and Explosion Hazard Data  
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Flash Point: NONE  
Extinguishing Media: THIS PRODUCT NON-COMBUSTIBLE  
Special Fire Fighting Proc: NONE  
Unusual Fire And Explosive Hazards: Non combustible and non explosive.  
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Reactivity Data  
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Stability: YES  
Materials To Avoid: STRONG ACIDS  
Hazardous Poly Occur: NO  
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Health Hazard Data  
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AMMONIUM HYDROXIDE: Potential skin irritant causing gray splotches, burning of throat, coughing, difficulty breathing, pulmonary congestion.  
AMMONIUM BICHROMATE: Corrosive; potential sensitizer (skin); human carcinogen (IARC=1; NTP=known); potential liver and kidney toxin.  
Emergency/First Aid Proc: SKIN: FLUSH W/SOAP & WATER.REMOV CONTAM CLOTHING & SHOES.GET MEDICAL ATTN.EYES: FLUSH W/PLENTY OF WATER F/AT LEAST 15 MIN.GET MED ATTN.INHAL: REMOV TO FRESH AIR.IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION, GIVE OXYGEN, GET MEDICAL ATTN:INGESTION: DO NOT INDUCE VOMITING (SUP)  
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Precautions for Safe Handling and Use  
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Steps If Matl Released/Spill: AVOID PHYSICAL CONTACT AND INHALATION OF VAPORS. DILUTE W/ LARGE QUANTITIES OF WATER.  
Waste Disposal Method: DILUTED SOLUTION CAN BE DISPOSED OF AS WASTE WATER UNLESS PROHIBITED BY LAW.  
Precautions-Handling/Storing: KEEP AWAY FROM STRONG ACIDS; STORE IN COOL AREA W/ADEQUATE VENTILATION. HAVE FLUSHING WATER AVAILABLE.  
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Control Measures  
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Ventilation: SUFFICIENT TO KEEP NH\*3 CONCENTRATION AT LESS.THAN 50 PPM.  
Protective Gloves: RUBBER GLOVES  
Suppl. Safety & Health Data: EMERGENCY: DRINK COLD MILK(WATER IF MILK MOT AVAIL W/O CAUSING VOMIT.GET MEDICAL ATTN.  
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Disposal Data  
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Disposal Data Review Date: 14JUN2007  
Rec # For This Disp Entry: 01  
Tot Disp Entries Per NSN: 002  
Landfill Ban Item: YES  
1st EPA Hazard Waste Name New: NOT REGULATED  
1st EPA Hazard Waste Char New: NOT REGULATED BY RCRA  
1st EPA Acute Hazard New: NO  
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Label Data  
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DOT Proper Shipping  
Name: Not Regulated  
Packing Group: N.A.  
DOT Technical Name: N.A. Hazard Subclass: N.A.  
DOT Hazard Class: N.A. DOT UN/NA Number: N.A.