

Material Safety Data Sheet May be used to comply with	l	U.S. Department of Labor Occupational Safety and Health Administration			
OSHA's Hazard Communic	(Non-Mandatory Form)				
29 CFR 1910.1200 Standard	l must be	Form Approved			
Consulted for specific require		OMB No. 1218-007			
Identity (as used on label an TF-4 Rapid Fixer (A trade	Note: Blank spaces are permitted, if any item is not applicable, or no Information is available, the space must be marked to indicate that.				
Section I					
Manufacturer's Name:	Emergency Telephone Number:				
Photographer's Formulary, I		800-424-9300			
Address (Number Street, Cir Po Box 950 Condon MT 59	Telephone Number for Information: 406-754-2891 / 800-922-5255				
		Date Prepared: October 14, 2006			
Section II – Hazardous Ingre	edients/Identity Informa				
Hazardous components	OSHA PEL	ACGIH TLV	Other	%	
(Specific Chemical Identity:	Common Name(s))		Limits O	otional	
Mixture of four (4) chemica	l compounds in solution	. This mixture is a tra	de secret formula.	The	
Hazards for chemicals not named here are stated elsewhere on this sheet.					
Chemical 1 not established +/- 4%					
Chemical 2	not estab			+/- 4%	
Chemical 3	not estab			+/- 4%	
Ammonium Thiosulfate 58%		nmonia is 25 ppm		+/- 84%	
Section III – Physical/Chem		initolità is 25 ppin		.,	
Boiling Point:	Boils with	Specific Gravity:		1.32	
5	decomposition	1 5			
Vapor Pressure: (mm Hg)	N/A	Melting Point		Ph 8+	
Vapor Density (AIR=1)	N/A	Evaporation Rate (Butyl Acetate =1)		N/A	
Solubility in Water: 100%		· · · · · · · · · · · · · · · · · · ·	•	•	
Appearance and Order: Clear and colorless with very slight odor if any					
Section IV – Fire and Explo	sion Hazard Data				

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Flash Point (Method Used) Non	Flammable Limits	LEL: N/A	UEL: N/A		
Extinguishing Media: Water					
Special Fire Fighting Procedures: Keep container cool with water spray					
Unusual Fire and Explosion Hazards: None					

Stability Unstable		Conditions to Avoid: Heat accelerates the evolution of ammonia			
Stable	Х				
Incompatibility (Materials to Avoid)					

Hazardous	May Occur		Conditions to Avoid: Strong oxidizers, water reactive materials
Polymerization			such as olium, acids, alkalides
	Will Not Occur	Χ	Byproducts: Oxidizers-nitrates and nitrates explosion. Acids
			cause sulfur dioxide, alkalis

Section VI – Health Hazard Data

Route(s) of Entry: Eyes	Inhalation: Yes	Skin: Slight	Ingestion: Yes		
Health Hazards (Acute and Chronic): Inhalation may irritate respiratory tract, ingestion may irritate					
Gastrointestinal tract, slight skin irritation from prolonged or repeated contact. Eyes, irritation or burn-					
Ing from contact with liquid.					
Carcinogenicity: No	NTP: No	IASC Monographs: NO	OSHA Regulated: Yes		
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Signs and symptoms of Exposure: Inhalation: coughing, Ingestion: Stomach pains, Skin: Reddish spots Eyes: Red eyes and burning

Medical Conditions Generally: To a person sensitive to ammonia if heated they could have troubling Aggravated by Exposure: breathing.

Emergency and First Aid Procedures: Eyes: Flush with water for 15 mins. Skin: wash with plenty of Water. Inhalation: Remove to fresh air, extra attention if ammonia is present.

Section VII – Precautions for safe Handling and Use:

Steps to be taken in case Material IS Released or Spilled: A hazardous Substance yes, if so reportable quantity 8630 of 58% solution.

Waste Disposal Method: Flush to sewer with plenty of water if permitted by local disposal regulations

Precautions to be Taken in Handling And Storing: Store in a cool, well ventilated area away from acids Alkalis and oxidizers keep containers out of sun.

Other Precautions: Follow Drum- Handling instructions on label, Label sign CAUTION!

Section VIII – Control Measures

Respiratory Protection (Specify Type) none generally, if misty conditions prevail, wear a mist respirator				
Ventilation	Local Exhaust: Yes	Special: No		
	Mechanical: Ok	Other: No		
Protective Gloves: Rubber Gloves		Eye Protection: Safety Goggles		
Other Protective Clothing or Equipment: Rubber Apron				
Work/ Hygienic Practices: use normal personal hygiene and housekeeping				