

MATERIAL SAFETY DATA SHEET

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SECTION I - Identification

				Date	September 30, 200
Product Name: LITHMATIC FIXER Chemical Family : Aqueous Acidic Solution Medical Emergency Telephone : (708) 640 4800 Transportation Emergency Telephone : CHEMTREC [®] 1 (800) 424 9300			MSD	S # :	62 76X
)) 424 9300	0 Revision Date: 3/22/02	
SECTION II - Hazardous Componer	nts (Typical Values)				
INGREDIENTS	CAS NO.	WT%	ACGIH(TLV)	OSI	HA(PEL)
Ammonium Thiosulfate Sodium Bisulfite Acetic Acid	7783-18-8 7681-57-4 64-19-7	30-40 3-5 3-5	None 5 mg/m ³ 10 ppm	Non 5 m 10 p	g/m ³
SECTION III - Physical / Chemical E	Data				
Boiling Point	: 212ºF	Solubility in Water (by Weight) : 100%			
Melting Point	: Not Applicable	Specific Gravity ($H_20 = 1$)		: 1.3	
Vapor Pressure	: Same as water	•	Vapor Pressure		t Applicable
Vapor Density (AIR = 1) Evaporation Rate	: Same as water : Same as water	pH Appearance		: 5.3	ear and colorless
Volatile Fraction by Weight	: Same as water	Odor			nmonia and vinegar
Volatile Organic Compound	: Not Applicable			od	-
SECTION IV - Fire and Explosion H	azard Data				
Flash Point Flammable Limits in Air Extinguishing Media Special Fire Fighting Procedures Unusual Fire and Explosion Hazards	 Not Applicable Lower : No Data Upper: No Data Any extinguishing media applicable to the surrounding area. Evacuate personnel to a safe area. Keep personnel away from and upwind of fir Wear self-contained breathing apparatus. When heated to decomposition, emission of toxic fumes are possible. 				
SECTION V - Health Hazard Data / S	SARA - Title III Haza	rd Categorie	S		
A. Acute Exposure Effects (Note: pe					
- Eye contact - Skin contact	: May cause irritation and burns. : May cause skin irritation				
- Inhalation	: Normally not a problem, but inhalation of mist could cause respiratory irritation.				
- Ingestion			membranes or digesti		,,
B. First Aid (Applies to finished Pro	,				
- Eyes	•	with plenty of	running water for at l	east 15 m	ninutes. Obtain
- Skin	medical attention. : Flush affected area clothing.	h affected areas promptly with water for 15 minutes. Remove contaminated			
-Inhalation	: For over-exposure				
- Ingestion			niting. Obtain immedi		
C. Chronic Health Effects (Note: Pe - A computerized lite these materials			section 2 per 29 CFR is did not yield any ch		
Carcinogenicity List	ing: NTP = N	0	IAR = No	OSHA =	No
		•		50HA -	

SECTION VI - Reactivity Data

Stability	: Stable.
Incompatibility	: Strong acids and strong alkalies.
Hazardous Decomposition Products	: With acids - Sulfur dioxide gas. With alkalies - ammonia gas.
Hazardous Polymerization	: Will not occur.

SECTION VII - Disposal Information

Spill, Leak or Release

NOTE: Review Section IV and VIII before proceeding with clean up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean up. Dike spill. Prevent liquid from entering sewers, waterways or low areas. Soak up with sand, oil dry or other absorbent material. Spill may be neutralized with Sodium Carbonate.

Waste Disposal

Recover non-usable free liquid and/or contaminated water, and dispose of in an approved and permitted treatment system. Remove non-usable solid material and/or contaminated soil, for disposal in an approved and permitted landfill. Discharge to sewer requires approval of permitting authority and may require pre-treatment.

SECTION VIII - Special Protection Information

A. Respiratory Protection : Sufficient room ventilation.

B. Skin and Eye Protection : Splash protection is suggested, e.g., eyeglasses with side shields, gloves and aprons.

SECTION IX - Storage Conditions

Store in a well ventilated area. Keep container tightly closed. Do not store with incompatible materials (See Section VI). Do not store or consume food, drink or tobacco in an area where they may become contaminated with this material.

SECTION X - Hazardous Transportation Regulations

NON REGULATED

SECTION XI - Hazard Communication

0 = Insignificant	HEALTH	= 1
1 = Slight	FLAMMABILITY	= 0
2 = Moderate	REACTIVITY	= 0
3 = High	SPECIAL	= 0
4 = Extreme		

SECTION XII - TSCA Information

TSCA Listing : All ingredients in this finished product are listed on the EPA TSCA Inventory (See Section II).

SECTION XIII - Federal EPA - SARA Title III Notification

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires submission of annual reports of release of toxic chemicals that appear in 40 CFR 372 (FOR SARA 313).

Components present in this product at a level which could require reporting under the statute are: Chemical CAS # Upperbound Concentration - %

*** NONE ***

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