



Ultra^S Buffer™
The Ultimate pH Neutralizer

EMERGENCY TELEPHONE 1-800-535-5053 (INFOTRAC)

PRODUCT IDENTIFICATION

Trade Name: Ultra S Buffer
Chemical Name: pH Neutralizer
HMIS Rating: Health 1
Flammability 0
Reactivity 0
Personal Protection B
Dot Ship Class Non Regulated

HAZARDOUS INGREDIENTS

Components	Cas #	%	OSHA PEL	ACGIH TLV	Other Limits
Non-Hazardous Ingredients		100	NE	NE	

None of the ingredients is considered carcinogenic, mutagenic, or environmental hazards.

PHYSICAL DATA

Physical State Crystals
Appearance and Odor White crystals, Odorless
Boiling Point N/A
Melting Point 100C
Specific Gravity (H₂O = 1) N/A
Evaporation Rate ((H₂O = 1) N/A
Vapor Density (Air = 1) Greater than air
Vapor Pressure (mmHg @ 20°C) N.I.A.
Solubility in Water Soluble
Water Reactive Yes/evolution of CO₂
pH 7 at 10% solution

FIRE and EXPLOSION

Flash Point None
Auto-Ignition Temperature N/A
Upper Flammable Limits in Air (% by Volume) N/A
Lower Flammable Limits in Air (% by Volume) N/A
Unusual Fire Hazards None
Unusual Explosion Hazards None
Fire Extinguishing Agents Recommended Foam, Dry Chemical, Alcohol Foam, CO₂
Special Fire Fighting Precautions Wear self-contained breathing apparatus approved by NIOSH.

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REACTIVITY

Stability	Stable when dry. Rapidly decompose when wet
Conditions to Avoid	Extreme temperatures, moisture
Incompatibility	Avoid Strong Oxidizing Agents, Acids, and moisture
Decomposition Products	CO _x
Hazardous Polymerization	Will Not Occur

HEALTH HAZARD

Inhalation	Burns to mucous membrane. Remove to fresh air. Apply mouth to mouth artificial respiration if not breathing. Get immediate medical attention
Ingestion	Burns to mucous membranes. Do not induce vomiting. Dilute by giving large amount of water. Get immediate medical attention
Skin	Burns to skin on prolonged exposure. Flush plenty with soap and water for at least 15 minutes. If irritation persists, get medical attention
Eyes	Burns to eyes on prolonged exposure. Immediate flush with water, continuing for 15 minutes. Get medical attention
Unusual Chronic Toxicity Carcinogen Listed in	None Known Not Listed

PRECAUTIONS FOR SAFE HANDLING AND USE

Leak and Spill Procedures	Dike and absorb spill with inert material such as sand, vermiculite, or dirt. Shovel into drums for disposal. Do not allow spills to enter waterways. Water maybe used to complete cleaning.
Handling and Storing Procedures	Avoid contact with skin, eyes, or clothing. Do not inhale mists. Use normal personal hygiene and housekeeping.
Waste Disposal Methods Other Precautions	As per Local and Federal Regulations

SPECIAL PROTECTION INFORMATION

Respiratory Protection	NIOSH Approved Respirator
Eye and Face Protection	Chemical Splash Goggles and/or Face Shield
Protective Gloves	Rubber Gloves
Ventilation	Local Exhaust
Other Protective Equipment	Rubber Apron, Eye Wash, and Quick Drench Shower.

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SARA TITLE III REGULATORY INGREDIENT INFORMATION

Title III Section 302/304 Extremely Hazardous Substance List and/or CERCLA Hazardous Substance List.

Component	N/A
CAS #	N/A
Percent	N/A
TPQ (lbs)	N/A
RQ (lbs)	N/A

Title III Section 313 Toxic Chemical Annual Release Reporting Requirements (SARA Section 313 Toxic Chemical List).

Component	N/A
CAS #	N/A
Percent	N/A

USER'S RESPONSIBILITY

The information and recommendations contained herein cannot cover all possible situations that the user may experience during processing. Each aspect of your operation should be examined to determine, if, or where, additional precautions may be necessary. All health and safety information contained in this bulletin should be provided to your employees or customers. It is your responsibility to use this information to develop appropriate work practice guidelines and employee instructional programs for your operations.

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Revision Date: June 2005