

# Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

# U.S. Department of Labor

Occupational Safety and Health Administration  
(Non-Mandatory Form)  
Form Approved  
OMB No. 1218-0072

Product Identity: **TechMix LIQUITEIN (15492-786)**

## Section I

Manufacturer's Name Form-A-Feed, Inc.	Emergency Telephone Number 1-800-422-3649
Address (Number, Street, City, State, and ZIP Code) PO Box 9 740 Bowman Street	Telephone Number for Information 1-800-422-3649
Stewart, MN 55385	Date Prepared 8-3-09
	Signature of Preparer (optional)

## Section II – Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits	
			Recommended	% optional
Citric Acid	15 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>		
Lactic Acid	15 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>		
Acetic Acid	15 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>		
Potassium Sorbate				

## Section III – Physical/Chemical Characteristics

Boiling Point N/A	N/A	Specific Gravity (H <sub>2</sub> O = 1)	N/A
Vapor Pressure (mm Hg.) N/A	N/A	Melting Point	Not Determined
Vapor Density (AIR = 1) N/A	N/A	Evaporation Rate (Butyl Acetate = 1)	Not Determined
Solubility in Water: 100% Soluble Liquid			
Appearance and Odor: Blue liquid, slight vinegar odor			

## Section IV - Fire and Explosion Hazard Data

Flash Point: N/A	Flammable Limits: N/A	LEL	UEL
Extinguishing Media: Dry Chemical, Water, CO <sub>2</sub> , Sand, Alcohol Foam			
Special Fire Fighting Procedures: Wear full protective clothing and NIOSH approved self-contained breathing apparatus with a full facepiece operated in the positive pressure or pressure demand mode.			
Unusual Fire and Explosion Hazards:			

## Section V – Reactivity Data

Stability	Unstable		Conditions to Avoid:
	Stable	X	

Incompatibility (*Materials to Avoid*): Strong Bases, alkali metals

Hazardous Decomposition or Byproducts  
**Carbon dioxide and carbon monoxide may form when heated**

Hazardous Polymerization	May Occur		Conditions to Avoid: Heat, ignition sources, flames, incompatibles
	Will Not Occur	X	

**Section VI – Health Hazard Data**

Route(s) of entry:	Inhalation? YES	Skin? YES	Ingestion? YES
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Health Hazards (*Acute and Chronic*) Eyes: Mild irritation.

Skin: Mild irritation

Inhalation: Mild irritation

Ingestion: In large amounts can cause gastrointestinal irritation. In small amounts acts as a mild acidifier.

Carcinogenicity:	NTP? No	IARC Monographs? No	OSHA Regulated? No
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Signs and Symptoms of Exposure  
 Inhalation: coughing, shortness of breath. Skin: Itching, redness Eyes: May be abrasive

Medical Conditions  
 Generally Aggravated by Exposure

Emergency and First Aid Procedures  
 Inhalation: Move individual to fresh air. Get medical attention if necessary.

Skin: Remove contaminated clothing and wash affected area with soap and water. If irritation persists, get medical attention.

Ingestion: Dilute with water or milk. Seek medical attention. Never give anything by mouth to an unconscious person.

Eyes: Flush with water for 15 minutes. Get medical attention.

**Section VII - Precautions for Safe Handling and Use**

Steps to be Taken in Case Material is Released or Spilled  
 Ventilate area of leak or spill. If contaminated and unusable for original purpose, place in a closed, marked Container in a secure place for disposal. Contain spills. Do not contaminate water sources – spills will decrease pH.

Waste Disposal Method  
 Follow all state and local requirements for disposal of wastes

Precautions to Be Taken in Handling and Storing  
 Store in closed containers in a cool, dry, well ventilated area.

Other Precautions

**Section VIII – Control Measures**

Respiratory Protection (*Specify Type*)  
 Use NIOSH approved mask when working conditions generate airborne particulates above the exposure limit.

Ventilation	Local Exhaust N/A	Special N/A
	Mechanical (General) N/A	Other N/A

Protective Gloves  
 Rubber Gloves

Eye Protection  
 Goggles or approved protection for the working conditions

Other Protective Clothing or Equipment  
 Wear impervious protective clothing as appropriate.

Work/Hygienic Practices  
 Wash with soap and water after application is finished.