



COLUMBUS CHEMICAL INDUSTRIES INC.

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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

IDENTITY (as Used on Label and List)

Ammonium Acetate buffer (APHA for Iron)

Note: Blank spaces are not permitted. If any item is not applicable or no information is available, the space must be marked to indicate that.

Section I

Manufacturers /Distributor Address Number Street City State and Zip Code

Columbus Chemical Industries

N4335 Temkin Road

Columbus, Wisconsin 53925

Emergency Telephone Number

CHEMTREC 1 (800) 424-9300

Telephone Number for Information

1-920-623-2140

Date Prepared

04-10-2006

Signature of Preparer (optional)

Section II - Hazardous Ingredients/Identity Information

Table with 6 columns: Hazardous Components (Specific Chemical Identity, Common Name(s)), CAS #, OSHA PEL, ACGIH TLV, Other Limits Recommended, % (optional). Row 1: Ammonium Acetate, 631-61-8, Not Available, Not Available, Not available, 20-23%.

Section III - Physical/Chemical Characteristics

Table with 2 columns: Property, Value. Rows: Boiling Point (Not available), Specific Gravity (H2O = 1) (1.1431), Vapor Pressure (mm Hg) (Not available), Melting Point (Not available), Vapor Density (AIR = 1) (Not available), Evaporation Rate (Butyl Acetate = 1) (Not available).

Solubility in Water

Complete.

Appearance and Odor

Clear, colorless liquid with faint ammonia odor.

Section IV Fire and Explosion Hazard Data

Table with 4 columns: Flash Point (Method Used), Flammable Limits, LEL, UEL. Row 1: Nonflammable, Not applicable, Not applicable.

Extinguishing Media

Water spray, dry chemical, carbon dioxide, alcohol foam.

Special Fire Fighting Procedures

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin or eyes. Use water spray to keep fire-exposed containers cool.

Unusual Fire and Explosion Hazards

Emits toxic fumes under fire conditions.

Section V Reactivity Data

Stability	Unstable		Conditions to Avoid	Strong oxidizing agents, heat, incompatibles.
	Stable	X		

Incompatibility Materials to Avoid

Oxidizers, acids. Calcium, lithium, magnesium, sodium, potassium metals.

Hazardous Decomposition or Byproducts

Carbon dioxide, carbon monoxide, acetic acid, ammonia, nitrogen oxides.

Hazardous Polymerization**Conditions to Avoid**

	May Occur		Not available.
	Will Not Occur	X	

Section VI Health Hazard Data

Routes of Entry	Inhalation ?	Skin ?	Ingestion ?
	Yes	Yes	Yes

Health Hazards (Acute and Chronic)

Irritating to the skin, eyes, mucous membranes and upper respiratory tract. May be harmful if swallowed. Inhalation may result in spasm, inflammation and edema of the larynx and bronchi, chemical pneumonitis, and pulmonary edema. Ingestion may result in irritation of the gastrointestinal tract and possible ammonia poisoning.

Carcinogenicity	NTP	IARC Monographs	OSHA REGULATED?
	Not listed	Not listed	Not listed

Signs and Symptoms of Exposure.

Burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache, nausea, vomiting, erythema, blisters,

tissue destruction, bloody diarrhea, edema, convulsions, bronchitis, pneumonia, cardiovascular collapse, shock.

Medical Conditions Generally Aggravated by Exposure

Expected to aggravate asthma, emphysema, other respiratory diseases and existing

dermatitis.

Emergency and First Aid Procedures

EYES/SKIN: Flush immediately with plenty of water for at least 15 minutes. Remove

contaminated clothing. Remove contact lenses if possible. Call physician if irritation develops. Wash clothing

before reuse. **INGESTION:** DO NOT induce vomiting. Give several cups of water to conscious victim. Call a physician.

INHALATION: Move to fresh air. Give oxygen if breathing is difficult, artificial respiration if not breathing.

Section VII Precautions for Safe Handling and Use**Steps to be Taken in Case Material is Released or Spilled**

Evacuate unprotected personnel from area. Eliminate all ignition sources. Ventilate spill area.

Wear self-contained breathing apparatus rubber boots, heavy protective gloves and chemical safety goggles.

Neutralize spill area with soda ash or lime. Absorb spill with vermiculite or other inert material. Flush spill area with water.

Waste Disposal Method Dispose of material in accordance with all Federal, state, and local regulations.

Precautions to be Taken in Handling and Storing

Keep in tightly-closed, plainly-labelled containers, stored in a cool, dry, ventilated area. Protect against physical damage and light. Keep away from heat, sparks and flame. Maintain adequate ventilation.

Material may evolve ammonia.

Other Precautions Containers, even when empty, will retain residue. Always obey hazard warnings and handle empty

containers as if they were full.

Section VII Control Measures

Respiratory Protection (Specify Type) NIOSH/MSHA-approved respirator with dust/mist cartridge.

Ventilation	Local Exhaust	Recommended.	Special	Safety shower nearby.
	Mechanical (General)	Recommended.	Other	Eye wash station nearby.

Protective Gloves Appropriate chemical-resistant gloves. **Eye Protection** Chemical Safety Goggles.

Other Protective Clothing or Equipment Boots; clean body-covering clothing; full-face respirator, if needed.

Work /Hygienic Practices Do **NOT** wear contact lenses. Wear appropriate personal protective equipment. Wash thoroughly after handling. Avoid breathing vapors. Avoid contact with eyes, skin and clothing. Use only with adequate ventilation. Avoid prolonged or repeated exposure.

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