



**COLUMBUS CHEMICAL INDUSTRIES INC.**

P.O. BOX 8  
 COLUMBUS, WISCONSIN 53925-0008  
 (920) 623-2140  
 FAX (920) 623-2577

**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, concentrate**

**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

08-21-2006

Signature of Preparer (optional)

**Section II - Hazardous Ingredients/Identity Information**

Hazardous Components (Specific Chemical Identity, Common Name(s))	CAS #	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Ammonium Hydroxide	1336-21-6	50 ppm (NH <sub>3</sub> )	25 ppm (NH <sub>3</sub> )	35 ppm STEL	27-30%
Acetic Acid	64-19-7	10 ppm	10 ppm	15 ppm STEL	29-31%

**Section III - Physical/Chemical Characteristics**

Boiling Point	Not available	Specific Gravity (H <sub>2</sub> O = 1)	1.073
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**

Flash Point (Method Used)	Flammable Limits	LEL	UEL
Nonflammable		Not applicable	Not applicable

Extinguishing Media

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

Special Fire Fighting Procedures

In the event of a fire, wear full protective clothing and NIOSH/MSHA-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode. Prevent contact with skin and eyes.

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**

<b>Routes of Entry</b>	<b>Inhalation ?</b>	<b>Skin ?</b>	<b>Ingestion ?</b>
	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.

<b>Carcinogenicity</b>	<b>NTP</b>	<b>IARC Monographs</b>	<b>OSHA REGULATED?</b>
	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. Store below 85 °F and above freezing. Refrigerate small containers before opening.

**Section VII Control Measures**

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

Ventilation	<b>Local Exhaust</b>	Recommended.	<b>Special</b>	Safety shower nearby.
	<b>Mechanical (General)</b>	Recommended.	<b>Other</b>	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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