



**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)

**Propionic Acid**

**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, Inc.

N4335 Temkin Road

Columbus, WI 53925-0008

Emergency Telephone Number

CHEMTREC 1-800-424-9300

Telephone Number for Information

(920) 623-2140

Date Prepared

02-24-2006

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)
Propionic Acid*	79-09-4	Not Available	TWA: 10 ppm	REL: 10ppm	

\*SYNONYMS: Carboxyethane, Ethylformic acid.

**Section III - Physical/Chemical Characteristics**

Boiling Point	147°C(297 °F)	Specific Gravity (H <sub>2</sub> O = 1)	0.9930
Vapor Pressure (mm Hg)	2 mmHg	Melting Point	-21 °C (-6 °F)
Vapor Density (AIR = 1)	2.5	Evaporation Rate (Butyl Acetate = 1)	Not available

Solubility in Water

Complete.

Appearance and Odor

Clear, colorless liquid

**Section IV Fire and Explosion Hazard Data**

Flash Point (Method Used)	Flammable Limits	LEL	UEL
52 °C (126 °F) (Tagliabue closed-cup)	(Isopropyl Alcohol,)	2.9	12.1

Extinguishing Media

Carbon dioxide, dry chemical powder, water spray, appropriate 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. Vapors may travel long distances along the ground to an ignition source and flash back. Container explosion may occur under fire conditions. Emits toxic fumes under fire conditions.

**Section V Reactivity Data**

Stability	Unstable		Conditions to Avoid	Heat, ignition sources, fire,
	Stable	X		

**Incompatibility Materials to Avoid**

Alkalis, strong oxidizers.

**Hazardous Decomposition or Byproducts**

Carbon monoxide, carbon dioxide.

**Hazardous Polymerization****Conditions to Avoid**

	May Occur		N/A
	Will Not Occur		

**Section VI Health Hazard Data****Routes of Entry****Inhalation ?****Skin ?****Ingestion ?**

	Yes		Yes		Yes
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**Health Hazards (Acute and Chronic)**

Corrosive to skin, eyes, mucous membranes and respiratory tract. Cause burns, Ingestion is harmful. Inhalation may result in spasm, inflammation and edema of the larynx and bronchi, chemical pneumonitis, and pulmonary edema. Ingestion or inhalation may cause damage to respiratory and digestive tracts.

**Carcinogenicity****NTP****IARC Monographs****OSHA REGULATED?**

	Not Listed		Not Listed		Not Listed
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**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 and death.

**Medical Conditions Generally Aggravated by Exposure**

Unknown

**Emergency and First Aid Procedures**

**INGESTION:** If swallowed, wash out mouth with water, call a physician. Do not leave victim unattended. **EYES:** In case of contact, immediately flush with large amounts of water for at least 15 minutes. Call physician. **INHALATION:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call physician. **SKIN:** Immediately wash skin with soap and large amounts of water.

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

Evacuate area. Wear NIOSH/MSHA-approved respirator, chemical-resistant goggles, rubber boots, apron and heavy rubber gloves. Contain spill with dikes, sand or noncombustible absorbent material. Sweep up and place in a bag and hold for waste disposal. Ventilate area and wash spill site after material pickup is complete.

**Waste Disposal Method** Dispose 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. Keep away from heat, sparks and flame. Maintain adequate ventilation. Ground all equipment containing this material. **FLAMMABLE CORROSIVE MATERIAL.**

**Other Precautions** Containers, even when empty, will retain residue and vapors which can ignite with explosive force.

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 acid/organic vapor cartridge.

**Ventilation**

Local Exhaust Necessary.

Special Eyewash nearby.

Mechanical (General) Recommended.

Other Safety shower nearby.

**Protective Gloves** Compatible, chemical-resistant gloves.

**Eye Protection** Chemical Safety goggles.

**Other Protective Clothing or Equipment** Rubber boots, fire-retardant garments and face shield.

**Work /Hygienic Practices** Contact lenses should not be worn when working with this material. Maintain eyewash and quick-drench facilities in work area. Avoid all unnecessary exposure to the chemical substance and ensure prompt removal from skin, eyes and clothing. Wash thoroughly after handling. Avoid breathing vapor. **FLAMMABLE!**

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