

AirClean® Systems  
2179 East Lyon Station Rd.  
Creedmoor, NC 27522

Customer Service: Phone (919) 255-9472  
FAX (919) 528-3400

CHEMTREC Emergency Response Telephone Number: (800) 424-9300, outside the US +1 (703) 527-3887.

Note: The CHEMTREC phone number is only for emergencies involving spills, leaks, fire, exposure or accident. Please direct all other inquiries to our customer service phone number.

## Section I - Product Identification

A white powder consisting of 50% glycine as the active ingredient and 50% proprietary buffers  
Product Code ACX4400, A neutralizer of glutaraldehyde and OPA

## Section II - Hazards Identification

**Warning:** May cause slight irritation to skin, eyes and mucus membranes. Not a hazardous substance. Low hazard for usual industrial handling.

### Safety Ratings

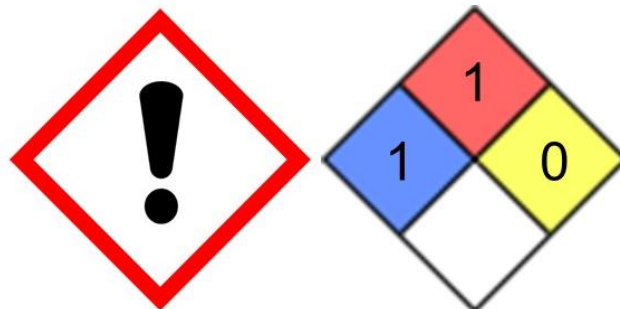
**Health:** Not Hazardous    **Flammability:** Minimal    **Reactivity:** None    **Contact:** Slight

**Recommended safety equipment:** safety goggles, lab coat and proper gloves

**Storage:** General storage

### NFPA Rating

Health = 1    Flammability = 1    Reactivity = 0



The toxicology of this compound has not been completely examined. It is presumed that the toxicity of this item is similar to glycine, which is generally recognized as safe.

**Inhalation:** Dust may cause irritation to upper respiratory tract (nose and throat).

**Ingestion:** No adverse effects anticipated from swallowing small amounts incidental to normal handling operations.

**Skin contact:** May cause skin irritation. Low hazard for usual handling.

**Eye contact:** May cause eye irritation.

**Chronic Exposure:** No information found.

## Section III - Composition/Information on Components

Ingredients	CAS #	% w/w
Glycine (active ingredient)	56-40-6	50%
Proprietary buffers		50%

## Section IV - First Aid Measures

**Inhalation:** Remove to fresh air if effects occur. Consult a physician.

**Note to Physician:** No specific antidote. Treatment based on judgement of the physician in response to reactions of the patient.

**Skin Contact:** Wash off in flowing water or shower.

**Eye Contact:** Flush eyes with plenty of water.

## Section V - Fire Fighting Measures

**Flash point:** Not determined.

**Flammable Limits:** Not determined.

**Fire:** Not normally a fire hazard.

**Explosion:** Not normally an explosion hazards.

**Fire Extinguishing Media:** Any means suitable for surrounding fire.

**Special information:** Pyrolysis will release carbon monoxide.

## Section VI - Accidental Release Measures

Wear appropriate protective gear such as gloves, apron, protective eyewear and respirator. Clear non-emergency personnel from the area. Avoid contamination of waterways and drains. Remove with shovel. Transfer to suitable and properly labeled containers.

**Section VII - Handling and Storage**

Good housekeeping and controlling of dusts are necessary for safe handling. Use only with adequate ventilation. Store in cool, dry, and well-ventilated area.

**Section VIII - Exposure Control/Personal Protection**

**Protective Equipment:** Use safety glasses. If dust exposure causes eye discomfort, use chemical goggles.

**Respirator Protection:** An organic vapor respirator with a prefilter for dust may be required in dusty atmospheres.

**Skin protection:** Wear clean, long-sleeved, body covering clothing. Use gloves impervious to this material.

**Eye Protection:** Laboratory safety goggles, safety glasses or face shield are required.

**Exposure Limits:** None established.

**Section IX - Physical and Chemical Properties**

**Boiling Point:** Not applicable

**Vapor pressure** No data available.

**Appearance and Odor:** A white, odorless crystalline powder

**Density:** About 1.1 g/ml

**Solubility:** 25% (w/w)

**Section X - Stability and Reactivity**

**Chemical Stability:** Thermally stable at typical use temperatures.

**Conditions to avoid:** Temperatures above 180°C.

**Incompatibilities with other materials:** Avoid contacts with strong antioxidants.

**Chemical reaction decomposition products:** Carbon oxides, nitrogen oxides, ammonia. Depends on conditions and presence of other materials.

**Section XI - Toxicological Information**

**Toxicity:** The chronic toxicity of this product is unknown. Glycine is generally recognized as safe.

**Acute toxicity:** Oral LD50 for rats = 7,930 mg/kg, for mice = 4920 mg/kg.

**Mutagenicity:** AirClean® Systems is unaware of any evidence that the product is mutagenic or teratogenic.

**Cancer lists:** Glycine is not a carcinogen or suspected carcinogen.

Ingredient	Known Carcinogenicity?	NTP?	Anticipated?	IARC Category
glutaraldehyde	No	No	No	None

**Section XII – Ecological Information**

**Environmental Fate:** No data available **Environmental Toxicity:** No data available.

**Persistence: water/soil/air:** Low **Bioaccumulation:** Low **Mobility:** High

**Section XIII – Disposal**

Dispose of waste product in accordance with Federal, State/ Provincial, and local laws and regulations.

**Section XIV - Transportation information**

Not Regulated.

**Section XV - Regulatory Information****Chemical Inventory Status**

Ingredient	TSCA	EC
Glycine	Yes	Yes

**Federal, State and International Regulations**

Ingredient	SARA 302		SARA 313		RCRA	TSCA
	RQ	TPQ	List	Category	261.33	8(D)
Glycine	No	No	No	No	No	No

Chemical Weapons Conventions: No TSCA 12(b): No CDTA: No

SARA 311/312: Acute: None, Chronic: None

**Section XVI - Other Information**

This information is believed to be correct but is not warranted as such, nor does it purport to be all-inclusive. Prepared by: T.F. Last Reviewed: July 22, 2015.