

Section I - Product Identification

AirClean® Systems
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AirClean Systems Emergency Response Telephone Number: (919) 255-3220, outside the US +1 (919) 255-3220.

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

Section II - Hazards Identification

Both glycine and the proprietary buffer are not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200. Not a hazardous substance or mixture according to the Globally Harmonized System.

Warning: May cause slight irritation to skin, eyes and mucus membranes.

Safety Ratings: Not a hazardous substance. Low hazard for usual industrial handling.

Health: Not Hazardous **Flammability:** Minimal **Reactivity:** None **Recommended Contact:** Slight
Safety equipment: safety goggles, lab coat and chemical resistant gloves
Storage: General storage

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 buffer		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 hazard.

Fire Extinguishing Media: Any means suitable for surrounding fire.

Special information: Pyrolysis will release carbon monoxide, carbon dioxide, ammonia, oxides of nitrogen, formaldehyde and hydrogen cyanide.

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 and dispose of in accordance with applicable Federal, state and local regulations.

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 1.2 g/ml (glycine)

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

Section X - Stability and Reactivity

Reactivity: No data available.

Chemical Stability: Thermally stable at typical use temperatures.

Conditions to avoid: Temperatures above 50°C.

Incompatibilities with other materials: Avoid contact with strong oxidizing agents.

Hazardous decomposition products: Carbon dioxide, carbon monoxide, nitrogen oxides, and ammonia.

Section XI - Toxicological Information

Toxicity: The chronic toxicity of this product is unknown. Glycine and the proprietary buffer are generally recognized as safe.

Acute toxicity: Glycine: Oral LD50 for rats = 7,930 mg/kg, for mice = 4920 mg/kg. Proprietary buffer: LD50 for rats >4000 mg/kg.

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

Cancer lists: Glycine and the proprietary buffer are not carcinogens nor suspected carcinogens.

Ingredient	Known Carcinogenicity?	NTP?	Anticipated?	IARC Category
Glycine	No	No	No	None
Proprietary buffer	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
Proprietary Buffer	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
Proprietary buffer	No	No	No	No	No	No

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

CDTA: No

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

CDTA: No

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: D.M. Last Reviewed: June 23, 2017.