

C-C2510-A11, C-C2520-A11 C-C4210-A11, C-C4220-A11

Material Safety Data Sheet

Issue Date: 10/25/02 Revision Date: 12/02/08 Supersedes: 12/02/08

Product Identification:

Manufacturer's Name:	Applied Membranes, Inc.
Address:	2450 Business Park Dr., Vista, CA 92081
Phone No.:	(760) 727-3711
Applied Membranes, Inc. Name:	C-C2510-A11, C-C2520-A11, C-C4210-A11, C-C4220-A11
Trade Name:	Acidic TF Type RO Membrane Cleaning Cartridge
Chemical Name:	Cleaner
Chemical Formula:	Proprietary
Emergency Phone Number:	For Chemical Emergency, Spill Leak Fire Exposure or Accident - Call CHEMTREC Day or Night DOMESTIC NORTH AMERICA 800-424-9300 INTERNATIONAL, CALL 703-527-3887 (collect calls accepted)

Composition/ Information on Ingredients

<u>CAS no.</u>	<u>Conc%</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
trade secret	100%	5.000 mg/m ³ (respirable dust)	5.000 mg/m ³ (respirable dust)

Hazardous Ingredients:

<u>Material Name</u>	<u>CAS no.</u>	<u>Conc%</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
None				

Physical Data:

Appearance and Odor:	White Odorless powder or granules inside plastic housing.
Physical State:	Solid.
pH (1% soln.):	3
Solubility in Water:	>50%

Fire and Explosion Data:

Extinguishing Media:	Water.
Special Fire Fighting Procedures:	None.
Unusual Fire and Explosion Hazards:	None.

Upper Explosive Limit (UEL):	8 grams/cu. ft.
Lower Explosive Limit (LEL):	65 grams/cu. ft.

Health Hazard Data:

Effects of Exposure

Ingestion:	Recognized as safe.
Eye Contact:	An irritant characteristic of organic acids.
Skin Contact:	Mild Irritant
Inhalation:	Dust may cause mild symptoms of respiratory irritation.

Emergency First Aid

Ingestion:	Recognized as safe.
Eye Contact:	Wash eyes with plenty of water. Get medical attention.
Skin Contact:	Wash affected area with water. Launder clothing before reuse.
Inhalation:	Remove person to fresh air.

Reactivity Data:

Stability:	Stable
Incompatibility:	Usual incompatibilities of organic acids.
Hazardous Decomposition Products:	None known.
Hazardous Polymerization:	Will not occur.
Conditions to Avoid:	None known.

Spill or Leak Procedures:

Spill or Leak Procedures:

Neutralize and flush with water or sweep and shovel.

Waste Disposal:

Dispose of waste material according to federal, state and local regulations.

Special Protection Information:

Respiratory Protection:	Approved nuisance mask.
Ventilation:	Local exhaust sufficient to control dust.
Protective Clothing:	None.
Gloves:	Standard work gloves.
Eye Protection:	Safety glasses.
Other Protective Equipment:	None

Special Precautions

Precautions To Be Taken In Handling And Storing:

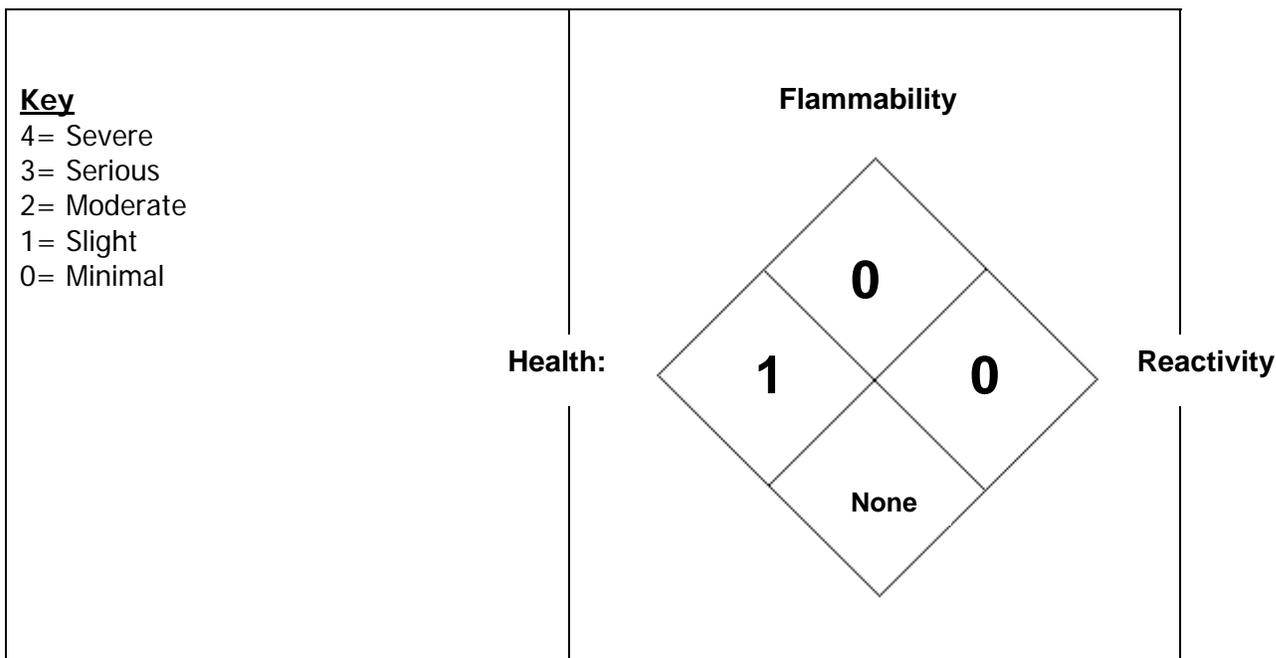
None Normally Required

Other Precautions:

Aqueous solutions of citric acid can, if in contact with reactive metal (iron, zinc, or aluminum), form hydrogen which may form explosive mixtures.

HMIS Rating

HEALTH	1
FLAMMABILITY	0
REACTIVITY	0



SPECIAL HMIS RATINGS NOTES:

Protection = H (Safety goggles, gloves, apron and a vapor respirator)