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Certified Company



THE POWER OF THREE<sup>3</sup>

**PHARMCO-AAPER**

AND COMMERCIAL ALCOHOLS

Product Information (203) 740-3471 / Emergency Assistance CHEMTREC 1-800-424-9300

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**MATERIAL SAFETY DATA SHEETS**

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Manufacturer: PHARMCO-AAPER  
58 Vale Road  
Brookfield, Connecticut 06804, USA  
Phone (203) 740-3471  
Fax (203) 740-3481

1101 Isaac Shelby Drive  
Shelbyville, KY 40065  
Phone (502) 633-0650  
Fax (502) 633-0685

Emergency Contact:  
CHEMTREC 1-800-424-930

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**CITRIC ACID ANHYD USP/FCC GRANULAR**

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**CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**Material Identity**

Product Name CITRIC ACID ANHYD USP/FCC GRANULAR  
General of Generic ID ORGANIC ACID

**COMPOSITION INGREDIENTS ON INGREDIENTS**

Ingredient (s)	CAS Number	% by Weight
Citric Acid	77-92-9	98.0-100.0

**HAZARDS IDENTIFICATION**

**Potential Health Effects**

**EYE**

Can cause severe eye irritation. Symptoms include stinging, tearing, redness and swelling of eyes.  
Can injure eye tissue.

**SKIN**

Can cause skin irritation. Symptoms may include redness and burning of skin, and other skin damage.

**SWALLOWING**

Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful. Exposure causes severe irritation of the gastrointestinal tract.

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## FIRST AID MEASURES

### EYES

If symptoms develop, immediately move individual away from exposure and into fresh air. Flush eyes gently with water for at least 15 minutes while holding eyelids apart; seek immediate medical attention.

### SKIN

Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse.

### SWALLOWING

Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. Contact a physician, medical facility, or poison control center for advice about whether to induce vomiting. If possible, do not leave individual unattended.

### INHALATION

If symptoms develop, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Keep person warm and quiet; seek immediate medical attention.

### NOTE TO PHYSICIAN

Preexisting disorders of the following organs (or organ systems) may be aggravated by exposure to this material: skin, lung (for example, asthma-like conditions).

## FIRE FIGHTING MEASURES

Flash Point Not applicable

Explosive Limit Not applicable

Autoignition Temperature No data

### Hazardous Products of Combustion

May form: Carbon dioxide and carbon monoxide, various hydrocarbons.

## FIRE AND EXPLOSION HAZARDS

No special fire hazards are known to be associated with this product.

## EXTINGUISHING MEDIA

Water fog, carbon dioxide, dry chemical.

## FIRE FIGHTING INSTRUCTIONS

Wear a self-contained breathing apparatus with full facepiece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment. Refer to the personal protective equipment section of this MSDS.

## NFPA RATING

Health – 1, Flammability – 1, Reactivity - 0

#### ACCIDENTAL RELEASE MEASURES

##### SMALL SPILLS

Sweep up material for disposal or recovery.

##### LARGE SPILLS

Shovel material into containers. Thoroughly sweep area of spill to clean up any residual material.

#### HANDLING AND STORAGE

##### Handling

Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed.

#### EXPOSURE CONTROLS/PERSONAL PROTECTION

##### EYE PROTECTION

Chemical splash goggles in compliance with OSHA regulations are advised; however, OSHA regulations also permit other type safety glasses. Consult your safety representative.

#### PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point	Not applicable
Vapor Pressure	Not applicable
Specific Vapor Density	Not applicable
Specific Gravity	1.542 @ 68.00 F
Liquid Density	Not applicable
Percent Volatiles	No data
Evaporation Rate	Not applicable
Appearance	No data

##### Physical and Chemical Properties (cont'

State	Solid
Physical Form	Granular
Color	White, Crystalline
Odor	No data
PH	Not applicable

#### STABILITY AND REACTIVITY

##### HAZARDOUS POLYMERIZATION

Product will not undergo hazardous polymerization.

##### HAZARDOUS DECOMPOSITION

May form: carbon dioxide and carbon monoxide, various hydrocarbons.

#### CHEMICAL STABILITY

Stable

#### INCOMPATIBILITY

Avoid contact with: alkali and alkaline earth, carbonates, metal nitrates, strong alkalis, sulfites.  
Can react with chemically reactive metals, such as aluminum, zinc, magnesium copper, etc., to release hydrogen gas which can form explosive mixtures with air.

#### TOXICOLOGICAL INFORMATION

No data

#### ECOLOGICAL INFORMATION

No data

#### DISPOSAL CONSIDERATION

Waste Management Information

Dispose of in accordance with all applicable local, state and federal regulations. For assistance with your waste management needs – including disposal, recycling and waste stream reduction. Contact Ashland Distribution Company, IC&S Environmental Services Group at 800-637-7922.

#### TRANSPORT INFORMATION

DOT Information -49 CFR 172.101

DOT Description:

Non-Regulated by DOT

Container/Mode

55 gal drum/truck package

NOS Component

None

Reportable Quantity, -49 CFR 172.101

Not applicable

Other Transportation Information

The transport information may vary with the container and mode of shipment.

#### REGULATORY INFORMATION

US federal Regulations

TSCA (Toxic Substances Control Act) Status

TSCA (UNITED STATES) The intentional ingredients of this product are listed.

CERCLA RQ – 40 CFR 302.4(a)

None listed

CERCLA RQ – 40 CFR 302.4(b)

Materials without a “listed” RQ may be reportable as an “unlisted hazardous substance”. See 40 CFR 302.5 (b).

SARA 302 COMPONENTS – 40 CFR 355 Appendix A

None

SECTION 311/312 HAZARD CLASS –40 CFR 370.2

Immediate (x)    Delayed (x)    Fire ( )    Reactive ( )    Sudden Release of Pressure( )

SARA 313 COMPONENTS – 40 CFR 372.65

None

OSHA PROCESS SAFETY MANAGEMENT 29 CFR 1910

None listed

EPA ACCIDENTAL RELEASE PREVENTION 40 CFR 68

None listed

## INTERNATIONAL REGULATIONS

### Inventory Status

DSL (CANADA) The intentional ingredients of this product are listed.

Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) requires notification of the National Response Center of release of quantities of Hazardous Substances equal or greater than the reportable quantities (RQs) in 40 CFR 302.4. Components present in this product at a level which could require reporting under the statute are: **NONE**

## OTHER INFORMATION

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.