

PHILIPP BROTHER CHEMICALS INC. -- CITRIC ACID ANHYDROUS,USP,FCC -- 6810-01-359-5011
===== Product Identification =====

Product ID:CITRIC ACID ANHYDROUS,USP,FCC

MSDS Date:04/01/1987

FSC:6810

NIIN:01-359-5011

MSDS Number: BPYBK

=== Responsible Party ===

Company Name:PHILIPP BROTHER CHEMICALS INC.

Address:ONE PARKER PLAZA

City:FORT LEE

State:NJ

ZIP:07024

Country:US

Info Phone Num:201-944-6020

Emerge

ncy Phone Num:201-944-6020 800-424-9300(CHEMTREC)

CAGE:NO501

=== Contractor Identification ===

Company Name:AQUA-CHEM INC, WATER TECHNOLOGIES DIV

Box:421

City:MILWAUKEE

State:WI

ZIP:53201

Country:US

Phone:202-483-7616,800-424-9300(CHEMTREC)

CAGE:09647

Company Name:PHILIPP BROS CHEMICALS INC

Address:1 PARKER PLZ

Box:City:FT. LEE

State:NJ

ZIP:07024

Country:US

Phone:201-944-6020

CAGE:5R956

Company Name:PHILIPP BROTHER CHEMICALS INC.

Address:ONE PARKER PLAZA

Box:City:FORT LEE

State:NJ

ZIP:07024

Coun

try:US
Phone:201-944-6020
CAGE:NO501

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Composition/Information on Ingredients
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Ingred Name:CITRIC ACID, ANHYDROUS
CAS:77-92-9
RTECS #:GE7350000
Fraction by Wt: 99.5%
Other REC Limits:NONE RECOMMENDED

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Hazards Identification
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LD50 LC50 Mixture:N/R BY MFG;LD50 ORAL MOUSE=5040[RTECS]
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:
INHAL:THE NUISSANCE DUST IS A LOW RISK
ALLERGEN.SKIN:PROLONGED CONTACT MAY RESULT IN
SENSITIZATION.INGEST:LOW ORAL TOXCITY.EYES:HMIS SUGGESTS,MAY CAUSE
IRRITATION.
Explanation of Carcinogenicity:THERE IS NO EVIDENCE TO SUGGEST THAT
THIS MATERIAL IS A CARCINOGEN.
Effects of Overexposure:NOT REPORTED.
Medical Cond Aggravated by Exposure:PRE-EXISTING
ALLERGIES;DERMATITIS;RESPIRATORY AILMENTS.

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First Aid Measures
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First Aid:EYES:F
LUSH WITH WATER,HOLDING LIDS OPENED.CALL
PHYSICIANSKIN:WASH WITH WATER,THEN SOAP AND WATER.REMOVE
CONTAMINATED CLOTHING.CALL PHYSICIAN IF IRRITATION
PERSISTS.INHAL:REMOVE TO FRESH AIR.RESTORE BR EATHING OR GIVE
OXYGEN IF NEEDED.CALL PHYSICIAN.INGEST:GIVE MILK OR WATER;CALL
PHYSICIAN.

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Fire Fighting Measures
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Extinguishing Media:WATER,CARBON DIOXIDE,DRY CHEMCIALS.
Fire Fighting Procedures:MANUFACTURER STATES NONE.HMIS SUGGESTS USIN

G A

SELF CONTAINED BREATHING APPARATUS WHEN FIGHTING A CHEMICAL FIRE.
Unusual Fire/Explosion Hazard:MANUFACTURER STATES NONE.

===== Accidental Release Measures =====

Spill Release Procedures:MANUFACTURER STATES,VACUUM OR BROOM SWEEP.HMIS SUGGESTS AVOID STIRRING UP DUST.PLACE IN AN APPROPRIATE CONTAINER FOR DISPOSAL.
Neutralizing Agent:6M-NH4OH/6M-HCL.

===== Handling and Storage =====

Handling and Storage Precautions:A
VOID MOISTURE.KEEP CONTAINERS TIGHTLY
CLOSED AND UPRIGHT.DO NOT BREATHE DUST.
Other Precautions:USE ONLY WITH ADEQUATE VENTILATION.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:USE A NIOSH/MSHA APPROVED DUST MASK.
Ventilation:USE LOCAL EXHAUST AS NEEDED.MECHANICAL(GENERAL) IS
PREFERRED FOR DUST PROCESS CONTROL.
Protective Gloves:IF NEEDED,CHEMICAL RESISTANT.
Eye Protection:SAFETY GLASSES W/SIDE SHIELDS;GOGGLES.
Other Protective Equipment:LONG
SLEEVED CLOTHING TO PROTECT SKIN.EYE
WASH STATION SHOULD BE AVAILABLE.
Work Hygienic Practices:WASH HANDS.SEPERATE WORK CLOTHES FROM STREET
CLOTHES.LAUNDER WORK CLOTHES BEFORE REUSE.KEEP FOOD OUT OF THE WORK
AREA.
Supplemental Safety and Health
NONE.

===== Physical/Chemical Properties =====

HCC:N1
Melt/Freeze Pt:M.P/F.P Text:307F,153C
Spec Gravity:1.665
Solubility in Water:APPRECIABLE
Appearance and Odor:CRYSTALS,FREE-FLOWING;WHITE;ODORLESS.

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===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid: YES

OXIDIZERS. HMIS SUGGESTS AVOIDING ALKALI/ALKALI CARBONATES.

Stability Condition to Avoid: AVOID EXPOSURE TO AIR.

Hazardous Decomposition Products: MANUFACTURER STATES NONE. HMIS SUGGESTS INCOMPLETE COMBUSTION MAY PRODUCE CO₂ AND CO.

===== Disposal Considerations =====

Waste Disposal Methods: MFG STATES: BURY; INCINERATE; COVER CONTAMINATED SURFACE WITH SODA AS

H/SODIUM BICARBONATE (MIX AND ADD WATER IF

NEEDED; SCOOP UP SLURRY. NEUTRALIZE 6M-NH₄OH/6M-HCL; PUT DOWN DRAIN WITH EXCESS WATER. FOLLOW FEDERAL, STATE AND LOCAL REGULATIONS.

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