

POLY RESEARCH CORPORATION -- CITRIC ACID -- 6810-01-164-3975

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Product Identification
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Product ID:CITRIC ACID

MSDS Date:09/14/1994

FSC:6810

NIIN:01-164-3975

MSDS Number: BVVCW

=== Responsible Party ===

Company Name:POLY RESEARCH CORPORATION

Address:125 CORPORATE DRIVE

City:HOLTSVILLE

State:NY

ZIP:11742

Country:US

Info Phone Num:516-758-0460

Emergency Phone Num:516-758-0460

CAGE:64713

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Contractor Identification ===

Company Name:POLY RESEARCH CORPORATION

Address:125 CORPORATE DRIVE

Box:City:HOLTSVILLE

State:NY

ZIP:11742-2007

Country:US

Phone:516-758-0460

CAGE:64713

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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: 100%

Other REC Limits:NONE RECOMMENDED

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Hazards Identification
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LD50 LC50 Mixture:ORAL LD50 (RAT) IS 6750 MG/KG

Routes

of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:SWALLOWING-IRRITANT.

INHALATION-IRRITANT. SKIN-IRRITANT. EYE-IRRITANT. CHRONIC: MAY CAUSE SEVERE SKIN AND MODERATE EYE IRRITATION. MAY CAUSE RESPIRATORY TRACT IRRITATION. CHRONIC OVEREXPOSURE MAY CAUSE EFFECTS DUE TO ABILITY OF CITRIC ACID TO CHELATE METALS, WHICH COULD IMPAIR BODY'S ABILITY TO ABSORB CALCIUM/IRON.

Explanation of Carcinogenic

ity:NOT A KNOWN CARCINOGEN.

Effects of Overexposure:NONE SPECIFIED BY MANUFACTURER.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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===== First Aid Measures =====

First Aid:EYE-IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR 15 MINUTES. CALL A PHYSICIAN. SKIN-FLUSH WITH PLENTY OF WATER. INHALATION-REMOVE TO FRESH AIR. INGESTION-GIVE LARGE QUANTITIES OF WATER. CALL A PHYSICIAN.

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===== Fire Fighting Measures =====

Extinguishing Media:WATER FOG, DRY CHEMICAL, CARBON DIOXIDE.

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING.

Unusual Fire/Explosion Hazard:POTENTIALLY EXPLOSIVE REACTION WITH METAL NITRATES. EMITS TOXIC FUMES OF CARBON MONOXIDE AND CARBON DIOXIDE.

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

Spill Release Procedures:SCOOP SPILLED MATERIAL INTO A BEAKER AND DISSOLVE WITH WATER. NEUTRALIZE TO A PH BETWEEN 6 AND 9 WITH AN ALKALI SUCH AS SODA ASH. FLUSH NEUTRALIZED WASTE TO THE DRAIN WITH AN EXCESS OF WATER.

Neutralizing Agent:SODA ASH.

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

Handling and Storage Precautions:STORE TIGHTLY CLOSED IN A COOL, DRY PLACE.

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

Respiratory Protection:ONLY IF TLV IS EXCEEDED, DUST MASK AS A PRECAUTIONARY MEASURE.

Ventilation:ADEQUATE VENTILATION.

Protec

tive Gloves:RUBBER GLOVES.
Eye Protection:LAB GRADE GOGGLES.
Other Protective Equipment:LAB COAT.
Work Hygienic Practices:EYEWASH STATION AND SAFETY SHOWER.
Supplemental Safety and Health
NONE

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

HCC:N1
Melt/Freeze Pt:M.P/F.P Text:307F,153C
Spec Gravity:1.54
Solubility in Water:60% @ 25C
Appearance and Odor:COLORLESS SOLID CRYSTALS, ODORLESS.

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

Stability Indicat
or/Materials to Avoid:YES
STRONG OXIDIZING AGENTS.
Stability Condition to Avoid:MOISTURE AND METAL NITRATES. EXPOSURE TO
FLAMES.
Hazardous Decomposition Products:EMITS ACRID SMOKE AND FUMES IN FIRE.
Conditions to Avoid Polymerization:POTENTIALLY EXPLOSIVE REACTION IN
CONTACT WITH METAL NITRATES.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE
AND LOCAL REGULATIONS.

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