

ASHLAND CHEMICAL COMPANY -- CITRIC ACID ANHYD USP/FCC GRANULAR -- 6810-00-141-2942

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Product Identification
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Product ID:CITRIC ACID ANHYD USP/FCC GRANULAR

MSDS Date:11/18/1986

FSC:6810

NIIN:00-141-2942

MSDS Number: BQNMV

=== Responsible Party ===

Company Name:ASHLAND CHEMICAL COMPANY

Box:2219

City:COLUMBUS

State:OH

ZIP:43216-2219

Country:US

Info Phone Num:614-790-3333

Emergency Phone Num

:800-254-5263

CAGE:34897

=== Contractor Identification ===

Company Name:ASHLAND CHEMICAL CO

Box:2219

City:COLUMBUS

State:OH

ZIP:43216-2219

Country:US

Phone:614-790-3333/800-274-5263

CAGE:34897

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Composition/Information on Ingredients
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Ingred Name:CITRIC ACID

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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Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE: MAY CAUSE EYES, SKIN,
RESPIRATORY AND GASTROINTESTINAL IRRITATION. CHRONIC: NONE
SPECIFIED BY MANUFACTURER.
Explanation of Carcinogenicity:NONE OF THE INGREDIENTS IN THIS PRODUCT
IS LISTED BY NTP, IARC OR OSHA AS A CARCINOGEN.
Effects of Overexposure:EYES/SKIN: IRRITATION. INHALATION: NOSE,
THROAT, AND UPPER RESPIRATORY TRACT IRRITATION. INGESTION:
GASTROINTESTINAL IRRITATION.
Medical
Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:EYES: FLUSH WITH PLENTY OF WATER, LIFTING UPPER AND LOWER
LIDS OCCASIONALLY. GET MEDICAL ATTENTION. SKIN: WASH WITH SOAP AND
WATER WHILE REMOVING CONTAMINATED CLOTHING. INHALATION: REMOVE
VICTIM TO FRESH AIR. INGESTION: GIVE 2 GLASSES OF WATER AND INDUCE
VOMITING. NOTHING BY MOUTH IF UNCONSCIOUS. SEE DOCTOR IMMEDIATELY.

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

Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, OR DRY CHEMICAL.
Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A
FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED
CONTAINERS WITH WATER SPRAY.
Unusual Fire/Explosion Hazard:COMBUSTION OR HEAT OF FIRE MAY PRODUCE
HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS.

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

Spill Release Procedures:WEAR GLOVES AND RESPIRATOR IF NEEDED. SMALL
SPILL: SWEEP UP MATERIAL FOR DISPOSAL OR RECOVERY. LARGE SPILL:
SHOVEL MATERIAL INTO CONTAINERS. THOROUGHLY SWEEP AREA OF SPILL TO
CLEAN UP ANY RESIDUAL MATERIAL.

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

Handling and Storage Precautions:STORE IN COOL, DRY, WELL VENTILATED
AREA. PROTECT FROM PHYSICAL DAMAGE AND INCOMPATIBLE MATERIALS. KEEP
CONTAINERS CLOSED.
Other Precautions:AVOID EYE AND SKIN CON

TACT. DO NOT BREATHE DUST.

EMPTY CONTAINERS MAY HAZARDOUS. FOLLOW ALL HAZARD PRECAUTIONS AS IF THEY WERE FULL.

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

Respiratory Protection:NONE NORMALLY REQUIRED. NIOSH/MSHA-APPROVED DUST RESPIRATOR AS REQUIRED.

Ventilation:MECHANICAL (GENERAL) VENTILATION OR LOCAL EXHAUST VENTILATION.

Protective Gloves:NITRILE, PVC, NEOPRENE.

Eye Protection:CHEMICAL SPLASH GOGGLES.

Other Protective Equipment:NORMAL WORK CLOTHING, COVERING ARMS AND LEGS.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health
NONE.

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

HCC:C3

Boiling Pt:B.P. Text:DECOMPOSES

Melt/Freeze Pt:M.P/F.P Text:307F,153C

Spec Gravity:1.542

Solubility in Water:COMPLETE

Appearance and Odor:COLORLESS, TRANSLUCENT CRYSTALS, ODORLESS. STRONG ACID TASTE.

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

Stability Indicator/Materials to Avoid:YES

STRONG ALKALIES, REACTIVE METALS SUCH AS ALUMINUM AND MAGNESIUM.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE, INCOMPLETELY BURNED CARBON PRODUCTS.

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

Waste Disposal Methods:CONTACT YOUR LOCAL ENVIRONMENTAL OFFICER. DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE

E AND LOCAL
REGULATIONS.

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