

VAN WATERS AND ROGERS INC DIV OF UNIVAR CORP -- CITRIC ACID, ANHYDROUS --
6810-00-141-2942

===== Product Identification =====

Product ID:CITRIC ACID, ANHYDROUS

MSDS Date:10/08/1990

FSC:6810

NIIN:00-141-2942

MSDS Number: BJNTN

=== Responsible Party ===

Company Name:VAN WATERS AND ROGERS INC DIV OF UNIVAR CORP

Address:2256 JUNCTION AVENUE

City:SAN JOSE

State:CA

ZIP:95131

Country:US

Info Phone Num:4

08-435-8700 OR 801-424-9300

Emergency Phone Num:800-424-9300(CHEMTREC)

CAGE:0AN91

=== Contractor Identification ===

Company Name:VAN WATERS AND ROGERS

Address:2256 JUNCTION AVE

City:SAN JOSE

State:CA

ZIP:95131

Country:US

Phone:408-435-8700/800-424-9300(CHEMTREC)

CAGE:0AN91

===== Composition/Information on Ingredients =====

Ingred Name:CITRIC ACID, ANHYDROUS

CAS:77-92-9

RTECS #:GE7350000

Fraction by Wt: >99%

Other REC Limits:NONE SPECIFIED

===== Hazards Ident

ification =====

LD50 LC50 Mixture:LD50 (ORAL RAT) IS 11,700 MG/KG

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

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:PROLONGED EXPOSURE MAY DAMAGE TOOTH ENAMEL.

Explanation of Carcinogenicity:THIS CHEMICAL IS NOT LISTED BY IARC, NTP, OR OSHA AS A CARCINOGEN.

Effects of Overexposure:INHALATION: BREATHING DUST MAY IRRITATE THE NOSE AND THROAT AND CAUSE COUGHING AND CHEST DISCOMFOR

T. EYE: DUSTS

MAY IRRITATE THE EYES. SKIN: NO IRRITATION IS LIKELY AFTER BRIEF CONTACT BUT MAY BE IRRI TATING AFTER PROLONGED CONTACT. INGESTION: NO KNOWN EFFECTS.

Medical Cond Aggravated by Exposure:NONE REPORTED.

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

First Aid:INHALATION: REMOVE TO FRESH AIR. GIVE MOUTH-TO-MOUTH RESUSCITATION IF NOT BREATHING. GET MEDICAL ATTENTION IMMEDIATELY. EYE: IMMEDIATELY FLUSH WITH RUNNING WATER FOR 15 MINUTES WHILE

HOLDING EYELID. G ET MEDICAL ATTENTION IMMEDIATELY. SKIN:WASH WITH SOAP & WATER. REMOVE CONTAMINATED CLOTHING. INGESTION: TREATMENT NOT NORMALLY REQUIRED.

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

Flash Point:NONE

Autoignition Temp:Autoignition Temp Text:NONE

Extinguishing Media:THIS MATERIAL IS NOT COMBUSTIBLE. USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures:NONE

Unusual Fire/Explosion Hazard:NONE

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

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT AND RESPIRATOR FOR DUST. FOR SMALL SPILLS, SWEEP UP AND DISPOSE OF IN DOT-APPROVED WASTE CONTAINERS. FOR LARGE SPILLS, SHOVEL INTO DOT-APPROVED WASTE CONTAINERS. KEEP OUT OF SEWERS, STORM DRAINS, SURFACE WATERS, AND SOIL.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE

IN A COOL, DRY, WELL VENTILATED
PLACE AWAY FROM INCOMPATIBLE MATERIALS. KEEP CONTAINERS TIGHTLY
CLOSED AND DRY AT ALL TIMES.

Other Precautions:EMPTIED CONTAINERS WILL RETAIN PRODUCT RESIDUE AND
VAPORS. ALWAYS OBEY HAZARD WARNINGS & HANDLE EMPTY CONTAINERS AS IF
THEY WERE FULL. WASH THOROUGHLY AFTER HANDLING. DO NOT GET IN EYES,
ON SKIN OR ON CLOTHING. HANDLE WITH CARE.

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

Respiratory Protection:A RESPIRATOR
IS NORMALLY NOT REQUIRED IF THIS
PRODUCT IS USED WITH ADEQUATE VENTILATION.

Ventilation:LOCAL MECHANICAL EXHAUST VENTILATION CAPABLE OF MINIMIZING
DUST EMISSIONS AT THE POINT OF USE.

Protective Gloves:RUBBER GLOVES

Eye Protection:CHEMICAL GOGGLES - NO CONTACT LENSES.

Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER.

LONG-SLEEVED SHIRT, TROUSERS, SAFETY SHOES AND GLOVES AS REQUIRED.

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES.

LAUNDRY CONTAMINATED

CLOTHING BEFORE REUSE. KEEP WORK AREA CLEAN.

Supplemental Safety and Health

THIS PRODUCT IS INTENDED FOR USE IN FOOD, ANIMAL FEED, DRUG, OR
COSMETIC MANUFACTURE AND IT HAS BEEN PRODUCED AND PACKAGED IN
ACCORDANCE WITH STRICT QUALITY PRACTICES. MAINTAIN THIS QUALITY
LEVEL BY STORING THIS PRODUCT AWAY FROM OTHER CHEMICALS, HANDLING
IT WITH CARE, AND AVOIDING ALL SOURCES OF CONTAMINATION.

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

HCC:C3

Melt/Freeze Pt:M

.P/F.P Text:300F,149C

Spec Gravity:1.665

pH:ACIDIC

Solubility in Water:APPRECIABLE

Appearance and Odor:WHITE CRYSTALS, ODORLESS

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

Stability Indicator/Materials to Avoid:YES

STRONG ALKALI

Stability Condition to Avoid:NONE

Hazardous Decomposition Products:NONE

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

Waste Disposal Methods:DISPOSAL SHOULD BE MADE IN ACCORDANCE WITH ALL
APPLICABLE FEDERAL, STATE AND

LOCAL REGULATIONS. NOTE: EMPTY

CONTAINERS CAN HAVE RESIDUES, GASES AND MISTS AND ARE SUBJECT TO PROPER WASTE DISPOSAL, AS A BOVE.

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