

HARCROS CHEMICALS INC. -- CITRIC ACID ANHY USP,12412 -- 6810-01-164-3975

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Product Identification
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Product ID:CITRIC ACID ANHY USP,12412
MSDS Date:12/30/1992
FSC:6810
NIIN:01-164-3975
Status Code:A
MSDS Number: CHXBN
=== Responsible Party ===
Company Name:HARCROS CHEMICALS INC.
Address:5200-SPEAKER ROAD
Box:2383
City:KANSAS CITY
State:KS
ZIP:66106-1095
Country:US
Info Phone Num:913-321-3
131
Emergency Phone Num:913-321-3131/800-424-9300(CHEMTREC)
CAGE:3H606
=== Contractor Identification ===
Company Name:HARCROS CHEMICALS INC.
Address:5200-SPEAKER ROAD
Box:2383
City:KANSAS CITY
State:KS
ZIP:66106-1095
Country:US
Phone:913-321-3131
CAGE:3H606
Company Name:JEM SALES INC INCHEMCO DIV
Address:430 LAVENDER DR
Box:City:ROME
State:GA
ZIP:30165-2262
Country:US
Phone:706-232-1709
CAGE:0AZD7

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Composition/Information on Ingredients
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Ingred Name:CITRIC ACID
CA

S:77-92-9

RTECS #:GE7350000

Fraction by Wt: 100.0%

Other REC Limits:15 MG/M3 TDUST (MFR)

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===== Hazards Identification =====

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS UNKNOWN.

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

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

Health Hazards Acute and Chronic:TARGET ORGANS: EYE, SKIN, RESPIRATORY AND GASTROINTESTINAL TRACTS. ACUTE- EYES: MAY CAUSE SEVERE IRRITATION. SKIN: MAY CAUSE IRRITATION. INHALE:

MAY CAUSE

RESPIRATORY TRACT IRRITATION. ORAL: NO HAZARD EXPECTED BY THIS ROUTE IN NORMAL USE. CHRONIC- UNKNOWN.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:SEVERE IRRITATION, NAUSEA, ABDOMINAL DISCOMFORT, DRYNESS OF SKIN, COUGHING, TEARING

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN DISORDERS, EYE PROBLEMS OR IMPAIRED RESPIRATORY FUNCTION MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THIS PRODUCT.

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===== First Aid Measur

es =====

First Aid:CALL PHYSICIAN IF SYMPTOMS PERSIST. EYE: IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES. HOLD EYELIDS OPEN. CALL PHYSICIAN. SKIN: FLUSH WITH PLENTY OF WATER. INHALED: MOVE TO FRESH AIR. PROVIDE CPR/OXYGEN IF NEEDED. ORAL: IF CONSCIOUS, DRINK 2 GLASSES OF WATER & INDUCE VOMITING. CALL PHYSICIAN/POISON CONTROL CENTER AT ONCE. NEVER GIVE FLUID/INDUCE VOMITING IF PATIENT IS UNCONSCIOUS OR HAS CONVULSIONS

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===== Fire Fighti

ng Measures =====

Flash Point:NONE

Lower Limits:NOT RELEVANT

Upper Limits:NOT RELEVANT

Extinguishing Media:WATER FOG, CARBON DIOXIDE OR DRY CHEMICAL. USE WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS.

Fire Fighting Procedures:WEAR PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS. HAZARDOUS DECOMPOSITION PRODUCTS MAY BE FORMED.

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

Spill Release Procedures:SWEEP UP/VACUUM IN A MA

NNER THAT DOES NOT

DISPERSE DUST INTO AIR. WEAR PROTECTIVE EQUIPMENT. VENTILATE AREA.

Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:STORE IN DRY, VENTILATED AREA AWAY FROM INCOMPATIBLE MATERIALS. KEEP OUT OF REACH OF CHILDREN.

Other Precautions:DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. AVOID INHALATION OF DUST. EMPTY CONTAINER RETAINS RESIDUE. OBEY HAZARD WARNING LABEL.

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===== Expo
sure Controls/Personal Protection =====

Respiratory Protection:IF WORKING IN CONFINED AREAS OR IN DUSTY SITUATION, WEAR NIOSH-APPROVED RESPIRATORY PROTECTION FOR DUST.

Ventilation:ADEQUATE

Protective Gloves:NEOPRENE, VINYL, RUBBER

Eye Protection:CHEMICAL SAFETY GOGGLES

Other Protective Equipment:EYE WASH STATION, SAFETY SHOWER, INDUSTRIAL-TYPE WORK CLOTHING, APRON

Work Hygienic Practices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. WASH AFTER HANDLING AND BEFORE EATING OR DRINKING.

Supplemental Safety and Health

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

HCC:C3

NRC/State Lic Num:NOT RELEVANT

Spec Gravity:1.542

Viscosity:NOT RELEVANT

Evaporation Rate & Reference:NOT RELEVANT

Solubility in Water:62%

Appearance and Odor:WHITE CRYSTALLINE POWDER, FLAKES OR GRANULES - NIL ODOR

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

Stability Indicator/Materials to Avoid:YES

ORGANIC BASES, AM

PHOTERIC METALS

Stability Condition to Avoid:MOISTURE

Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE,
MISCELLANEOUS ORGANIC COMPOUNDS

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

Waste Disposal Methods:WHATEVER CANNOT BE SAVED FOR RECLAMATION MAY BE
DISPOSED IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

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