

FISHER SCIENTIFIC CO CHEMICAL DIV. -- HYDROUS CITRIC ACID -- 6810-00-281-2014

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Product Identification  
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Product ID:HYDROUS CITRIC ACID

MSDS Date:06/17/1991

FSC:6810

NIIN:00-281-2014

MSDS Number: BMZCY

=== Responsible Party ===

Company Name:FISHER SCIENTIFIC CO CHEMICAL DIV.

Address:1 REAGENT LANE

City:FAIR LAWN

State:NJ

ZIP:07410

Country:US

Info Phone Num:201-796-7100

Emergency Phone Num:

201-796-7100 OR 201-796-7523

Preparer's Name:GASTON PILLORI

CAGE:1B464

=== Contractor Identification ===

Company Name:FISHER SCIENTIFIC CO. CHEMICAL MFG DIV

Address:1 REAGENT LANE

Box:City:FAIRLAWN

State:NJ

ZIP:07410-2802

Country:US

Phone:201-796-7100

CAGE:1B464

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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 SPECIFIED

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Hazards Identification  
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LD50 LC50 Mixture:ORAL LD50 (RAT) IS 5040 MG/KG

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

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

Health Hazards Acute and Chronic:ACUTE: INHALE-MAY CAUSE MUCOUS

MEMBRANE IRRITATION. SKIN-MAY CAUSE MODERATE IRRITATION. EYE-MAY CAUSE SEVERE IRRITATION. INGESTION-MAY CAUSE ACUTE BUT TRANSIENT GI IRRITATION. CHRONIC: INHALE-DAMAGE TO TOOTH ENAMEL. SKIN-DERMATITIS. EYE-CONJUNCTIVITIS. INGESTION-EROSION OF THE TEETH &

LOCAL

IRRITATION.

Explanation of Carcinogenicity:NO INGREDIENT OF A CONCENTRATION OF 0.1% OR GREATER IS LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN.

Effects of Overexposure:INHALATION: SORE THROAT, COUGHING, AND SHORTNESS OF BREATH. EYES: REDNESS, PAIN AND POSSIBLY BURNS. SKIN: REDNESS AND PAIN. INGESTION: SORE THROAT, ABDOMINAL PAIN, WRINKLING & ROUGHING DISCOLORATION OF THE STOMACH & INTESTINE.

Medical Cond Aggravated by Exposure:PREEXISTING SKIN CONDITIONS MAYBE AGG

RAVATED BY EXPOSURE.

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

First Aid:SKIN: FLUSH WITH WATER. EYES: FLUSH WITH WATER IMMEDIATELY FOR AT LEAST 15 MINUTES. INHALE: REMOVE TO FRESH AIR, REST AND CALL DOCTOR. INGESTED: TREAT SYMPTOMATICALLY AND SUPPORTIVELY. GET MEDICAL ATTENTION IMMEDIATELY. IF VOMITING OCCURS, KEEP HEAD LOWER THAN HIPS TO PREVENT ASPIRATION.

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

Lower Limits:8 GM/FT3

Upper Limits:65 GM/FT3

Extinguishing Media:DRY CHEMICAL, CARBON DIOXIDE, WATER SPRAY OR REGULAR FOAM. FOR LARGE FIRES, USE WATER SPRAY, FOG OR REGULAR FOAM.

Fire Fighting Procedures:MOVE CONTAINER FROM FIRE IF CAN BE DONE AT NO PERSONAL RISK. DO NOT SCATTER SPILLED MATERIAL WITH HIGH PRESSURE WATER STREAMS. DIKE WATER FOR LATER DISPOSAL.

Unusual Fire/Explosion Hazard:SLIGHT FIRE HAZARD WHEN EXPOSED TO HEAT OR FLAME.

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

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Spill Release Procedures:SWEEP UP AND PLACE IN SUITABLE CLEAN, DRY CONTAINER FOR RECLAMATION OR LATER DISPOSAL. DO NOT FLUSH SPILLED MATERIAL INTO SEWER. KEEP UNNECESSARY PEOPLE AWAY.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE AWAY FROM INCOMPATIBLES. KEEP IN A TIGHTLY CLOSED CONTAINER. STORE IN A COOL, DRY, VENTILATED AREA.

Other Precautions:NONE SPECIFIED BY MANUFACTURER.

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

Respiratory Protection:ANY DUST RESPIRATOR WITH A FULL FACEPIECE, ANY AIR-PURIFYING FULL FACEPIECE RESPIRATOR WITH A HIGH EFFICIENCY PARTICULATE FILTER, ETC.

Ventilation:PROVIDE LOCAL EXHAUST VENTILATION. VENTILATION EQUIPMENT MUST BE EXPLOSION PROOF.

Protective Gloves:MUST WEAR PROTECTIVE GLOVES.

Eye Protection:SPLASH PROOF OR DUST RESISTANT GOGGLES

Other Protective Equipment:EYE WASH STATION & SAFETY SHOWER.

Work Hygienic Practices:WASH HANDS AFTER USE AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDER CONTAMINATED CLOTHES AFTER USE.

Supplemental Safety and Health  
NONE

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

HCC:N1

Melt/Freeze Pt:M.P/F.P Text:212F,100C

Spec Gravity:1.542

pH:2.2

Solubility in Water:APPRECIABLE

Appearance and Odor:ODORLESS, COLORLESS, ORTHORHOMBIC PRISMS WITH PLEASANT, SOUR TASTE.

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

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Stability Indicator/Materials to Avoid: YES  
BASES, METAL NITRATES, OXIDIZERS.

Stability Condition to Avoid: STABLE UNDER NORMAL TEMPERATURES AND  
PRESSURES. AVOID CONTACT WITH EXCESSIVE HEAT, SPARKS OR OPEN  
FLAMES.

Hazardous Decomposition Products: THERMAL DECOMPOSITION PRODUCTS MAY  
INCLUDE TOXIC OXIDES OF CARBON.

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

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

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