

HACH CO -- CITRIC ACID 14548 -- 6810-01-456-4688

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Product Identification
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Product ID:CITRIC ACID 14548
MSDS Date:02/16/1998
FSC:6810
NIIN:01-456-4688
Status Code:A
MSDS Number: CJDLV
=== Responsible Party ===
Company Name:HACH CO
Address:100 DAYTON RD
Box:907
City:AMES
State:IA
ZIP:50010-6402
Country:US
Info Phone Num:800-227-4224/515-232-2533
Emergency Phone Num:303-623-5716
Resp. Party
Other MSDS Num.:M00072
CAGE:4T252
=== Contractor Identification ===
Company Name:HACH COMPANY
Address:100 DAYTON RD.
Box:907
City:AMES
State:IA
ZIP:50010
Country:US
Phone:800-227-4224
Contract Num:SP0450-98-M-C037
CAGE:4T252

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Composition/Information on Ingredients
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Ingred Name:CITRIC ACID
CAS:77-92-9
RTECS #:GE7350000
= Wt:100.

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Hazards Identification
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LD50 LC50 Mixture:LD50 ORAL RAT 6730MG/KG(LSIGTLY TOXIC)
Routes of

Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:THIS PRODUCT MAY BE IRRITATING TO EYES,SKIN,& RESPIRATORY TRACT.

Explanation of Carcinogenicity:CANCER INFO:NOT APPLICABLE.

Effects of Overexposure:MAY CAUSE SEVERE EYE & MODERATE SKIN IRRIT.MAY CAUSE RESP TRACT IRRIT.CHRONIC OVEREXPO MAY CAUSE EFFECTS DUE TO ABILITY TO CITRIC ACID TO CHELATE METALS,WHICH COULD IMPAIR BODY'S ABILITY TO ABSORB CALCIUM AND IRON.

Medical Cond Aggravated by Exposure:PRE-EXISTING EYE,SKIN,AND RESPIRATORY TRACT CONDITIONS.TARGET ORGANS:NOT DETERMINED.

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

First Aid:5. === Fire Fighting Measures ===

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

Unusual Fire/Explosion Hazard:POTENTIALLY EXPLOSIVE REACTIN WITH METAL NITRATES.EMITS TOXIC FUMES OF CO AND CO2.

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

Neutralizing Agent:

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

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

Other Precautions:AVOID CONTACT W/EYES AND SKIN.DO NOT BREATHE DUST.WASH THOROUGHLY AFTER HANDLING.

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

Ventilation:ADEQUATE VENTILATION.

Protective Gloves:RUBBER GLOVES.

Eye Protection:LAB GRADE GOGGLES.

Other Protective Equipment:LAB COAT.

Work Hygienic Pract

ices:AVOID CONTACT W/EYES AND SKIN.DO NOT BREATHE
DUST.WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health

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

HCC:N1

Melt/Freeze Pt:=153.C, 307.4F

Spec Gravity:1.54

pH:0.1 N SOLN 2.2

Solubility in Water:60%@20C

Appearance and Odor:SOLID, COLORLESS CRYSTALLS; WITHOUT ODOR

Corrosion Rate:ALUM&STEEL NA

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

Stability Indicator/Materials to Avoid:YES

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DIZERS. POTENTIALLY EXPLOSIVE REACTION IN CONTACT W/METAL NITRATES.

Stability Condition to Avoid:EXPOSURE TO FLAMES, MOISTURE, OXIDIZERS.

POTENTIALLY EXPLOSIVE REACTION IN CONTACT WITH METAL NITRATES.

Hazardous Decomposition Products:EMITS ACRID SMOKE AND FUMES IN FIRE.

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

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

===== MSDS Transport Information =====

Transport Information:DOT/ICAO/IMO PROPER SHIPPING NAME:NOT CURRENTLY
REGULATED.HAZ CLASS/ID/GROUP:NA.

===== Regulatory Information =====

SARA Title III Information:NOT LISTED.

===== Other Information =====

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