

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. Part
y 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
AGBILITY TO CITRIC ACID TO CHELATE METALS,WHICH COULD IMPAIR BODY'S
ABILITY TO ABSORB CA L
CIUM 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 =====
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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 Prac

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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IDIZERS. 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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