View NSN Online: https://aerobasegroup.kr/nsn/4410-01-183-7442 HACH CO. -- CITRIC ACID -- 4410-01-183-7442 Product ID:CITRIC ACID MSDS Date:05/06/1993 FSC:4410 NIIN:01-183-7442 Kit Part:Y MSDS Number: BRKTZ === Responsible Party === Company Name: HACH CO. Address:5600 LINDBERGH DR Box:608 City:LOVELAND State:CO ZIP:80539 Country:US Info Phone Num:800-227-4224 Emergency Phone Num:303-623-5716 CAGE:91224 === Contractor Identifi cation === Company Name: HACH CO Address:5600 LINDBERGH DR Box:389 City:LOVELAND State:CO ZIP:80539 Country:US Phone:970-669-3050/303-623-5716 CAGE:91224 ======= Composition/Information on Ingredients ======== Ingred Name: CITRIC ACID CAS:77-92-9 RTECS #:GE7350000 Fraction by Wt: 100% Other REC Limits: NONE SPECIFIED ============= Hazards Identification ========================

LD50 LC50 Mixture:ORAL RAT LD50 6730 MG/KG Routes of Entry: Inhalation:YES Skin:YES Ingestion:

YES

Reports of Carcinogenicity:NTP:UNKNOWN IARC:UNKNOWN OSHA:NO Health Hazards Acute and Chronic:PRODUCT IS IRRITATING TO EYES, SKIN AND RESPIRATORY TRACT

Effects of Overexposure: CAUSES SEVERE EYE AND MODERATE SKIN IRRITATION.

MAY CAUSE RESPIRATORY TRACT IRRITATION. CHRONIC OVEREXPOSURE MAY
CAUSE EFFECTS DUE TO THE ABILITY OF CITRIC ACID TO CHELATE METALS,
WHICH COULD IMPAIR THE BODY'S ABILITY TO ABSORB CALCIUM ANDIRON.

Medical Cond Aggravated by Exposure:PRE-EXISTING EYE, S KIN AND

RESPIRATORY TRACT CONDITIONS.

	First Aid Measures	
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First Aid:EYE AND SKIN CONTACT: IMMEDIATELY FLUSH EYES WITH WATER FOR 15 MINUTES. CALL PHYSICIAN. SKIN: FLUSH WITH PLENTY OF WATER. INGESTION: GIVE LARGE QUANITIES OF WATER. CALL A PHYSICIAN IMMEDIATELY. INHALA TION: REMOVE TO FRESH AIR.

Flash Point:NONE

Autoignition Temp: Autoignition Temp Text: NONE

Ext

inguishing Media:WATER, CARBON DIOXIDE, OR DRY CHEMICAL Fire Fighting Procedures:NONE SPECIFIED BY MANUFACTURER.

Unusual Fire/Explosion Hazard:POTENTIALLY EXPLOSIVE REACTION WITH METAL NITRATES.

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

Spill Release Procedures:SCOOP SPILLED MATERIAL INTO A BEAKER AND DISSOLVE WITH WATER. NEUTRALIZETO A PH BETWEEN 6 AND 9 WITH ALKALI SUCH AS SODA ASH. FLUSH NEUTRALIZED WASTE TO THE DRAIN WITH AN EXCESS OF WATER.

Neutra lizing Agent:SODA ASH

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

Handling and Storage Precautions:STORE IN COOL, DRY, WELL VENTILATED AREA. PROTECT FROM PHYSICAL DAMAGE. AVOID ANY PHYSICAL CONTACT. KEEP CONTAINERS TIGHTLY CLOSED

Other Precautions:WASH THOROUGHLY AFTER HANDLING. DO NOT BREATHE DUST. USE ONLY WITH ADEQUATE VENTILATION. KEEP AWAY FROM OXIDIZERS. AVOID CONTACT WITH SKIN AND EYES.

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

Respiratory Protection: NONE SPECIFIED BY MANUFACTURER.

Ventilation: ADEQUATE VENTILATION

Protective Gloves: RUBBER

Eye Protection: LAB GRADE GOGGLES

Other Protective Equipment: EYE WASH, SAFETY SHOWER, LAB COAT OR APRON

Work Hygienic Practices: USE NORMAL CHEMICAL HYGIENE PRACTICES.

Supplemental Safety and Health

KEY 1: HCC T-6. THIS ITEM IS PN IND B OF A 3 PART KIT. SEE PN IND A AND C UNDER THIS NSN AND CAGE FOR ADDITIONAL INFO. FOR THE KIT.

HCC:T6

Melt/Freeze Pt:M.P/F.P Text:307F/153C

Spec Gravity:1.54

Solubility in Water: APPRECIABLE

Appearance and Odor: COLORLESS CRYSTALS; NO ODOR. PH 0.IN SOLN = 2.2

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

OXIDIZERS. POTENTIALLY EXPLOSIVE REACTION ON CONTACT WITH METAL NITRATES.

Stability Condition to Avoid:EXPOSURE TO FLAMES AND MOISTURE Hazardous Decomposition Products:EMITS ACRID SMOKE AND FUMES IN FIRE.

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

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

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