

HYDRITE CHEMICAL CO / U S CHEMICAL DIV -- CITRIC ACID GRANULAR USP (CHINA) --  
6810-00-141-2942

===== Product Identification =====

Product ID:CITRIC ACID GRANULAR USP (CHINA)  
MSDS Date:01/22/1996  
FSC:6810  
NIIN:00-141-2942  
MSDS Number: CGLBZ  
=== Responsible Party ===  
Company Name:HYDRITE CHEMICAL CO / U S CHEMICAL DIV  
Address:300 N PATRICK BLVD  
City:BROOKFIELD  
State:WI  
ZIP:53008-0948  
Country:US

|  
Info Phone Num:800-558-9566  
Emergency Phone Num:800-558-9566  
CAGE:0TMN6  
=== Contractor Identification ===

Company Name:HOC INDUSTRIES, INC  
Address:3511 N. OHIO  
Box:2609  
City:WICHITA  
State:KS  
ZIP:67219  
Country:US  
Phone:316-838-4663  
CAGE:0A9L8  
Company Name:HYDRITE CHEMICAL CO / U S CHEMICAL DIV  
Address:300 N PATRICK BLVD /PO BOX DRAWER 0948  
Box:City:BROOKFIELD  
State:WI  
ZIP:53008-0948  
Country:US  
Phone:800-558-9566  
CAGE:0TMN6

===== Composition/Information on Ingredients =====

Ing

red Name:CITRIC ACID (THIS PRODUCT DOES NOT CONTAIN ANY HAZARDOUS INGREDIENTS AS DEFINED BY OSHA 29 CFR 1910.1200)

CAS:77-92-9

RTECS #:GE7350000

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===== Hazards Identification =====  
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LD50 LC50 Mixture:LD50:(ORAL,RAT) 11.7 G/KG

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

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

Health Hazards Acute and Chronic:ACUTE:EYES:MAY CAUSE IRRITATION. MAY RESULT IN PERMANENT DAMAGE. INGEST:CAN CAUSE GASTROINTESTINAL

IRRITATION IN EXCESS, EROSION OF TOOTH ENAMEL IS POSSIBLE.

INHAL:DUST MAY IRRITATE NOSE, THROAT, AND MUCOUS MEMBRANES.

SKIN:MAY CAUSE IRRITATION. CHRONIC:NONE LISTED BY MANUFACTURER.

Explanation of Carcinogenicity:NOT RELEVANT.

Effects of Overexposure:SEE HEALTH HAZARDS.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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===== First Aid Measures =====  
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First Aid:EYES:FLUSH IMMEDIATELY WITH LARGE AMOUNTS OF WATER, HOLDING EYELIDS OPEN FOR

AT LEAST 15 MINUTES. GET MEDICAL ATTENTION. INGEST:IF CONSCIOUS DRINK WATER. DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION. INHAL:MOVE INDIVIDUAL TO FRESH AIR. SKIN:THOROUGHLY FLUSH WITH WATER. REMOVE CONTAMINATED CLOTHING. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE.

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===== Fire Fighting Measures =====  
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Extinguishing Media:WATER SPRAY, OR CARBON DIOXIDE, DRY CHEMICAL, OR ORDINARY FOAM.

Fire Fighting Procedures:USE NIOSH/MSHA APPROVED SCBA & FULL PROTECTIVE EQUIPMENT .

Unusual Fire/Explosion Hazard:CARBON MONOXIDE AND CARBON DIOXIDE.

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===== Accidental Release Measures =====  
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Spill Release Procedures:USE PROPER SAFETY EQUIPMENT. SWEEP UP MATERIAL FOR DISPOSAL INTO CONTAINERS. FLUSH AREA WITH WATER TO REMOVE TRACE MATERIAL. AVOID DISCHARGE TO SEWERS AND SURFACE WATER.

Neutralizing Agent:NEUTRALIZED WITH SODA ASH OR SODIUM BICARBONATE.

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

Storage Precautions:KEEP CONTAINERS TIGHTLY CLOSED. STORE IN COOL, WELL-VENTILATED, DRY AREA. STORE AWAY FROM INCOMPATIBLE MATERIALS.

Other Precautions:DO NOT STORE IN UNLABELED CONTAINERS.

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

Respiratory Protection:IF NEEDED, USE NIOSH/MSHA JOINTLY APPROVED DUST RESPIRATOR. CONSULT WITH SUPPLIER.

Ventilation:USE ADEQUATE GENERAL OR LOCAL EXHAUST VENTILATION TO KEEP FUME AND DUST LEVEL AS LOW AS POSSIBLE.

Protective

Gloves:CHEMICALLY RESISTANT-RUBBER (SUPDAT)

Eye Protection:ANSI APPROVED CHEM WORKERS GOGGLES & (SUPDAT)

Other Protective Equipment:LAB COAT. ANSI APPROVED EMERGENCY EYE WASH & DELUGE SHOWER .

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

PROTECTIVE GLOVES:(LATEX), NEOPRENE, POLYVINYL ALCOHOL. EYE PROTECTIVE:FULL LENGTH FACESHIELD.

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

HCC:C3

Boiling Pt:B.P. Text:DECOMPOSES

Melt/Freeze Pt:M.P/F.P T

ext:307F,153C

Spec Gravity:1.665

Solubility in Water:COMPLETE

Appearance and Odor:COLORLESS CRYSTALS, NO ODOR.

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

Stability Indicator/Materials to Avoid:YES

STRONG BASES, ALKALI METALS, ORGANIC ACIDS, OXIDES OF SULFUR.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:NONE SPECIFIED BY MANUFACTURER.

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

Waste Disposal Method

hods:DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE,  
AND FEDERAL REGS. RESIDUE MAY BE NEUTRALIZED WITH SODA ASH OR  
SODIUM BICARBONATE AND FLUSHED TO SEWER IF ACCEPTED BY SEWER  
DISTRICT. DO NOT DISPOSE OF I NTO WATERWAYS.

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