

BARTLETT CHEMICALS INC -- CITRIC ACID -- 6810-01-359-5011

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Product Identification
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Product ID:CITRIC ACID
MSDS Date:06/01/1993
FSC:6810
NIIN:01-359-5011
MSDS Number: BQVQD
=== Responsible Party ===
Company Name:BARTLETT CHEMICALS INC
Address:4955 RIVER RD
Box:10710
City:JEFFERSON
State:LA
ZIP:70181
Country:US
Info Phone Num:504-734-1971
Emergency Phone Num:504-734-1971/800-424-9300(CHEM
TREC)
CAGE:1V771
=== Contractor Identification ===
Company Name:BARTLETT CHEMICALS
Address:4955 RIVER ROAD
Box:10710
City:JEFFERSON
State:LA
ZIP:70121
Country:US
Phone:504-734-1971
CAGE:1V771

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Composition/Information on Ingredients
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Ingred Name:CITRIC ACID
CAS:77-92-9
RTECS #:GE7350000
Other REC Limits:NONE RECOMMENDED

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Hazards Identification
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LD50 LC50 Mixture:LD50 (ORAL RAT) IS 11700 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- EYES:IRRITATION, REDNESS, TEARING AND PAIN MAY OCCUR. SKIN:MAY CAUSE IRRITATION, SORENESS AND MILD INFLAMMATION. INHALATION:DUST MAY CAUSE RESPIRATORY TRACT IRRITATION. ORAL:EXTREMELY LARGE DOS AGES MAY CAUSE GASTROINTESTINAL DISTURBANCES. CHRONIC- NOT KNOWN.

Effects of Overexposure:EYE IRRITATION, REDNESS, TEARING AND PAIN MAY OCCUR. MAY CAUSE SKIN IRRITATION , SORENESS AND MILD INFLAMMATION.

INHALATION OF DUST MAY CAUSE RESPIRATORY TRACT IRRITATION. EXTREMELY LARGE ORAL DOSAGES MAY CAUSE GASTROINTESTINAL DISTURBANCES.

Medical Cond Aggravated by Exposure:NO ADVERSE HEALTH EFFECTS EXPECTED.

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

First Aid:GET MEDICAL ATTENTION IF SYMPTOMS PERSIST. EYE/SKIN:FLUSH WITH WATER FOR 15 MINUTES. HOLD EYELIDS OPEN. INHALED:REMOVE TO FRESH AIR AND PROVIDE OXYGEN/CPR IF NEEDED

D. ORAL:DRINK SEVERAL GLASSES OF WATER TO DILUTE. SEEK MEDICAL ATTENTION.

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

Extinguishing Media:WATER SPRAY, CARBON DIOXIDE, FOAM OR DRY CHEMICAL FOR SURROUNDING FIRE. USE WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS.

Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard:

AS WITH ANY FINELY DIVIDED ORGANIC SOLID, DUST MAY BE EXPLOSIVE IF MIXED WITH AIR IN CRITICAL PROPORTIONS & IN THE PRESENCE OF AN IGNITION SOURCE.

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

Spill Release Procedures:WEAR DUST RESPIRATOR AND PROTECTIVE CLOTHING. VENTILATE AREA. VACUUM OR SWEEP UP SPILLAGE. AVOID CREATING DUST. PLACE SPILLAGE IN APPROPRIATE CONTAINER FOR RECLAMATION OR DISPOSAL. TRACE RESIDUE MAY BE FLUSHED TO SEWER WITH LARGE A

MOUNT
OF WATER.

Neutralizing Agent:WEAK BASE

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

Handling and Storage Precautions:STORE IN AIRTIGHT CONTAINER, IN A COOL, DRY, VENTILATED AREA. PROTECT AGAINST PHYSICAL DAMAGE. USE WITH ADEQUATE DUST CONTROL.

Other Precautions:DO NOT RAISE DUST. AVOID BREATHING DUST. WASH THOROUGHLY AFTER HANDLING MATERIAL. WARNING. CAUSES SKIN IRRITATION AND SEVERE EYE IRRITATION. AVOID CONTACT WITH EYES, SKIN AND CLOTHING.

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

Respiratory Protection:NONE NORMALLY REQUIRED. FOR CONDITIONS OF USE WHERE EXPOSURE TO THE DUST IS APPARENT, A NIOSH-APPROVED DUST/MIST RESPIRATOR MAY BE WORN. FOR EMERGENCIES, A SELF-CONTAINED BREATHING APPARATUS MAY BE NECESSARY.

Ventilation:DILUTION VENTILATION IS SATISFACTORY. IF CONDITIONS OF USE CREATE DISCOMFORT TO WORKER, A LOCAL EXHAUST SHOULD BE USED.

Protective Gloves:RUBBER RECOMMENDED

Eye Protect

ion:DUST-RESISTANT SAFETY GOGGLES

Other Protective Equipment:EYE WASH STATION, EMERGENCY SHOWER, APPROPRIATE LABORATORY COAT TO COVER EXPOSED SKIN

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES.

Supplemental Safety and Health

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

HCC:N1

Boiling Pt:B.P. Text:DECOMPOSES

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

Spec Gravity:1.542

Solubility in Water: 60% @ 20C,ANHYDROUS

Appearance an

d Odor:WHITE GRANULES - ODORLESS

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

Stability Indicator/Materials to Avoid:YES

METAL NITRATES, BASES, CARBONATES AND BICARBONATES

Stability Condition to Avoid:STABLE UNDER ORDINARY CONDITIONS OF USE
AND STORAGE.

Hazardous Decomposition Products:MAY FORM CARBON MONOXIDE AND CARBON
DIOXIDE.

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

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

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