

BARTLETT CHEMICALS INC -- 3K GPH ROWPU KIT (PART 3 OF 10 PART KIT) -- 6810-01-423-1699

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Product Identification
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Product ID:3K GPH ROWPU KIT (PART 3 OF 10 PART KIT)

MSDS Date:06/01/1993

FSC:6810

NIIN:01-423-1699

Kit Part:Y

MSDS Number: CBSQR

=== Responsible Party ===

Company Name:BARTLETT CHEMICALS INC

Address:4955 RIVER RD

Box:10710

City:JEFFERSON

State:LA

ZIP:70181

Country:US

Info Phon

e Num:504-734-1971

Emergency Phone Num:504-734-1971/800-424-9300(CHEMTREC)

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

Company Name:DDRV STOCK MAINTENANCE DIV/DDRV-H

Address:8000 JEFFERSON-DAVIS HIGHWAY

Box:City:RICHMOND

State:VA

ZIP:23297

Country:US

Phone:804-279-3125

CAGE:02LX8

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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 =====

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 RESP
IRATORY 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.

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=== 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. ORAL:DRINK SEVERAL
GLASSES OF WATE R TO DILUTE. SEEK MEDICAL ATTENTION.

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===== 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.

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

Spill Release Procedures:WEAR DUST RE

SPIRATOR 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 B E FLUSHED TO SEWER WITH LARGE AMOUNT OFWATER.

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 Protection: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

KEY 1: N1 THIS ITEM IS NSN:6810-01-359-5011, CAGE 1V771. THIS IS PART 3 OF A 12 PART KIT (10 PARTS ARE HAZARDOUS). SEE THIS NSN FOR PART 1-10 WHICH ARE THE HAZARDOUS COMPONENTS OF THIS KIT. THE NON-HAZARDOUS ITEMS ARE NSN: 4330-01-350-9102; CARTRIDGE ELEMENT AND NSN: 4330-01-350-9101; FILTER.

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

HCC:C1

Boiling Pt:B.P. Text:DECOMPOSES

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

Spec Gravity:1.542

Solubility i

n Water:60% @ 20C,ANHYDROUS
Appearance and 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:D

ISOPE OF IN ACCORDANCE WITH LOCAL, STATE AND
FEDERAL REGULATIONS.

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