

CAROLINA BIOGOLICAL SUPPLY CO -- BARIUM CHLORIDE,DIHYDRATE ACS,84-6708 --  
6810-00-237-2922

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

Product ID:BARIUM CHLORIDE,DIHYDRATE ACS,84-6708  
MSDS Date:05/12/1997  
FSC:6810  
NIIN:00-237-2922  
MSDS Number: CFKXX  
=== Responsible Party ===  
Company Name:CAROLINA BIOGOLICAL SUPPLY CO  
Address:2700 YORK RD  
City:BURLINGTON  
State:NC  
ZIP:27215-3387  
Country:US  
Info Phone Num:91  
0-584-0381  
Emergency Phone Num:910-584-0381/800-424-9300(CHEMTREC)  
CAGE:59896

=== Contractor Identification ===  
Company Name:CAROLINA BIOLOGICAL SUPPLY CO  
Address:2700 YORK RD  
Box:City:BURLINGTON  
State:NC  
ZIP:27215-3387  
Country:US  
Phone:800-227-1150/910-584-0381  
CAGE:59896

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

Ingred Name:BARIUM CHLORIDE DIHYDRATE  
CAS:10326-27-9  
RTECS #:CQ8751000  
Fraction by Wt: 99- 100%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:0.5 MG BA/M3  
ACG

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===== Hazards Identification =====  
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LD50 LC50 Mixture:LD50 (ORAL, RAT) IS 118 MG/KG.

Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES

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

Health Hazards Acute and Chronic:TARGET ORGANS:CNS, SPLEEN, LIVER, BONE MARROW, LUNG. ACUTE- INGESTION IS HARMFUL AND MAY BE FATAL. EYE CONTACT CAUSES IRRITATION. SKIN CONTACT CAUSES IRRITATION. INHALATION OF DUST MAY CAUSE IRRITATION. CH

RONIC- IRRITATION OF

RESPIRATORY SYSTEM, CENTRAL NERVOUS SYSTEM DAMAGE, DAMAGE TO SPLEEN, LIVER AND BONE MARROW.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:IRRITATION, DISCOMFORT, PAIN, TEARING, BLURRING OF VISION, NAUSEA, HEADACHE, DIZZINESS, VOMITING, WEAKNESS, DIARRHEA

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===== First Aid Measures =====  
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First Aid:GET MEDICAL ATTENTION IF SYMPTOMS PERSIST. EYE/SKIN:FLUSH WITH WATER FOR 15 MINUTES. HOLD EYELIDS OPEN. INHAL

ED:MOVE TO FRESH

AIR. PROVIDE OXYGEN/CPR IF NEEDED. ORAL:IF CONSCIOUS, DRINK PLENTY OF WATER & INDUCE VOMITING IMMEDIATELY AS DIRECTED BY MEDICAL PERSONNEL. CALL A PHYSICIAN/POISON CONTROL CENTER IMMEDIATELY. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

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===== Fire Fighting Measures =====  
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Flash Point:NONE

Lower Limits:NOT RELEVANT

Upper Limits:NOT RELEVANT

Extinguishing Media:WATER SPRAY, CARBON DIOXIDE, FOAM OR DRY CHEMICAL FOR S

URROUNDING 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 POSITIVE PRESSURE MODE.

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===== Accidental Release Measures =====  
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Spill Release Procedures:WEAR PROTECTIVE CLOTHING, RESPIRATORY EQUIPMENT SUITABLE FOR TOXIC DUSTS. SWEEP, SCOOP/PICK UP SPILLED MATERIAL. AVOID DUST DISPERSAL. PACKAGE FOR DISPOSAL

L. WET

SWEEPING/VACUUMING IS RECOMMENDED. WASH SPILL AREA TO REMOVE RESIDUAL CONTAMINATION.

Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:STORE IN COOL, DRY, VENTILATED AND SECURE POISON AREA. KEEP CONTAINER TIGHTLY CLOSED. PROTECT AGAINST PHYSICAL DAMAGE.

Other Precautions:TOXIC. DO NOT TAKE INTERNALLY. AVOID BREATHING DUSTS. AVOID CONTACT WITH EYES, SKIN AND CLOTHING. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE. KEEP OUT OF REACH OF CHILDREN.

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

Respiratory Protection:NONE NORMALLY REQUIRED. IF TLV IS EXCEEDED OR FOR SYMPTOMS OF OVER EXPOSURE, WEAR NIOSH-APPROVED DUST RESPIRATOR. IN EMERGENCY, WEAR A NIOSH-APPROVED POSITIVE-PRESSURE SELF-CONTAINED BREATHING APPARATUS.

Ventilation:USE GENERAL OR LOCAL EXHAUST VENTILATION TO MEET TLV REQUIREMENTS.

Protective Gloves:NATURAL RUBBER RECOMMENDED

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Eye Protection:DUST-RESISTANT GOGGLES RECOMMENDED

Other Protective Equipment:EYE BATH, SAFETY SHOWER, WASHING FACILITIES

Work Hygienic Practices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. WASH AFTER HANDLING AND BEFORE EATING OR DRINKING.

Supplemental Safety and Health

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

HCC:T4

NRC/State Lic Num:NOT RELEVANT

Melt/Freeze Pt:M.P/F.P Text:1765F,963C

Spec Gravity:3.86

Viscosity:NOT RELEVANT

Evapora

tion Rate & Reference:NOT RELEVANT

Solubility in Water:COMPLETE (100%)

Appearance and Odor:COLORLESS CRYSTALS - ODORLESS

Percent Volatiles by Volume:0

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

Stability Indicator/Materials to Avoid:YES

Hazardous Decomposition Products:HYDROGEN CHLORIDE

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

Waste Disposal Methods:DISPOSE IN ACCORDANCE WITH APPLICABLE FEDERAL,  
STATE & LOCAL ENVIRONMENTAL REGULATIO  
NS. REUSING OR RECYCLING IS  
RECOMMENDED.

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