

CAROLINA BIOGOLICAL SUPPLY CO -- 85-2180 CALCIUM NITRATE -- 6810-00-241-1128

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Product Identification  
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Product ID:85-2180 CALCIUM NITRATE

MSDS Date:05/13/1987

FSC:6810

NIIN:00-241-1128

MSDS Number: CHQHG

=== Responsible Party ===

Company Name:CAROLINA BIOGOLICAL SUPPLY CO

Address:2700 YORK RD

City:BURLINGTON

State:NC

ZIP:27215-3387

Country:US

Info Phone Num:800-227-1150/910-584-0381(OUT SIDE)

Emergency Phone Num:800-227-1150/910-584-0381(OUT SIDE)

CAGE:59896

=== Contractor Identification ===

Company Name:CAROLINA BIOLOGICAL SUPPLY CO

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Composition/Information on Ingredients  
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Ingred Name:CALCIUM NITRATE TETRAHYDRATE

CAS:13477-34-4

RTECS #:EW3000000

Fraction by Wt: 100%

Other REC Limits:NONE RECOMMENDED

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Hazards  
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Identification =====

LD50 LC50 Mixture:ORL-RAT LD50:3900MG/KG

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

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

Health Hazards Acute and Chronic:IRRIT TO SKIN/EYES/MUCOUS

MEMBRANES.DELIQUESCENT.EYE:MAY CAUSE IRRIT.SKIN:MAY CAUSE IRRIT.INGEST:MAY CAUSE GASTROINTESTINAL DISCOMFORT.INHAL:MAY CAUSE IRRIT TO RESPIRATORY TRACT.CHRONIC:NO CHRONIC EFF ECTS DATA FOUND.

Explanation of Carcinogenicity:PER MSDS:NOT LISTED

AS CAUSING CANCER BY

IARC/NTP/OSHA.

Effects of Overexposure:IRRIT SKIN/EYES/MUCOUS MEMBRANES/GI TRACT/RESP TRACT.

Medical Cond Aggravated by Exposure:NO INFORMATION AVAILABLE. TARGET ORGANS:NO INFORMATION AVAILABLE.

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

First Aid:EYE:FLUSH W/WATER FOR @LEAST 15MINS,RAISE/LOWER EYELIDS OCCASIONALLY.IRRIT PERSISTS GET MED ATTN.SKIN:THOROUGHLY WASH EXPO AREA FOR @LEAST 15MINS.REMOVE CONTAM CLOTH.IRRIT PERSISTS G ET MED

ATTN.INGEST :IF CONSC GIVE PLENTY OF WATER,INDUCE VOMIT IMMED AS DIRECTED BY MED PERSONNEL.IMMED CALL DR/POIS CNTRL CNTR.UNCONSC NEVER GIVE ANYTHING BY MOUTH.INHAL:REMOVE TO FRESH AIR.BREATH DIFFI GIVE OXY;(SUPP)

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

Flash Point:NONE

Autoignition Temp:Autoignition Temp Text:NO INF

Lower Limits:NO INFO AVAI

Upper Limits:NO INFO AVAI

Extinguishing Media:USE MEDIA SUITABLE TO EXTINGUISH SURROUNDING FIRE. Fire

Fighting Procedures:FIREFIGHTERS SHOULD WEAR FULL PROTECTIVE EQPMT & NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:HEAT/SHOCK OR CONTACT W/OTHER MATERIALS MAY CAUSE FIRE/EXPLO.DELIQUESCENT.STRONG OXIDIZER;IN CONTACT W/EASILY OXIDIZABLE SUBSTANCES IT MAY RX RAPIDLY(SUPPLEMEN)

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

Spill Release Procedures:VENTILATE AREA OF SPILL.CLEANUP PERSONNEL SHOULD WEAR PROPER PROTECTIVE EQPMT.

AVOID CREATING DUST.SWEEP OR  
SCOOP UP & CONTAINERIZE FOR DISPOSAL.  
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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Handling and Storage  
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Handling and Storage Precautions:STORE IN COOL,DRY,WELL-VENTILATED  
AREA.STORE AWAY FROM REDUCING & COMBUSTIBLE MATERIALS.DO NOT GET IN  
EYE/SKIN/CLOTH.

Other Precautions:DO NOT BREATHE DUST.DO NOT GET ON EYES/SKIN/CLOTHING.

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Exposure Controls/Personal Protection  
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Respiratory Protection:NONE NEEDED UNDER NORMAL CONDITIONS OF USE  
W/ADEQUATE VENTILATION.NIOSH APPROVED EQPMT SHOLD BE WORN IF PELLS  
ARE EXCEEDED.

Ventilation:LOCAL  
EXHAUST:PREFERRED.MECHANICAL(GEN):ACCEPTABLE.SPECIAL/OTHER:NO.

Protective Gloves:RUBBER,NEOPRENE,PVC OR EQUIVALENT

Eye Protection:SPLASH PROOF CHEM SAF GOGGLES @ALL TIMES

Other Protective Equipment:LAB COAT,EYE WASH,SAFETY SHOWER.

Work Hygienic Practices:LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.WASH  
THOROUGHLY AFTER HANDLIN

G.

Supplemental Safety and Health

1ST AID:STOP BREATH GIVE ART RESP.KEEP PERSON WARM/QUIET.GET MED ATTN.

FIRE/EXPLO:ENOUGH TO CAUSE IGNITION,VIOLENT COMBUSTION/EXPLO.INCR  
FLAMM OF ANY COMBUSTIBLE SUBSTANCE.SHOCK/MIXTURE W/REDUCERS CAN  
CAUSE EXPLO.

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Physical/Chemical Properties  
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HCC:D1

Boiling Pt:B.P. Text:NO INFO AVA

Melt/Freeze Pt:M.P/F.P Text:113F,45C

Decomp Temp:Decomp Text:NP

Vapor Pres:NEGLIGIBLE

Vapor Density:NO INFO

Spec Gravity:2.36

pH:

NP

Viscosity:NP

Evaporation Rate & Reference:NA

Solubility in Water:SOLUBLE

Appearance and Odor:CUBIC,COLORLESS,HYGROSCOPIC,ODORLESS,CRYSTALS.

Percent Volatiles by Volume:NEGLIG

Corrosion Rate:NP

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

Stability Indicator/Materials to Avoid:YES

REDUCING AGENTS AND COMBUSTIBLE MATERIALS.

Stability Condition to Avoid:EXTREME HEAT,SHOCK,CONTACT W/REDUCING MATERIALS.KEEP AWAY FROM COMBUSTIBLE MATERIALS.

Hazardous Decomposition P

roducts:NITROGEN COMPOUNDS

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

Waste Disposal Methods:EPA WASTE#:D001.DISPOSE IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.ALWAYS CONTACT PERMITTED WASTE DISPOSER(TSD)TO ASSURE COMPLIANCE.NO SARA/CERCLA/RCRA CHEMS.

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