

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

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

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 S

IDE)

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

CAGE:59896

=== Contractor Identification ===

Company Name:CAROLINA BIOLOGICAL SUPPLY CO

Address:2700 YORK RD

Box:City:BURLINGTON

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ZIP:27215-3387

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Phone:800-227-1150/910-584-0381

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

Ingred Name:CALCIUM NITRATE TETRAHYDRATE

CAS:13477-34-4

RTECS #:EW3000000

Fraction by Wt: 100%

Other REC Limits:NONE RECOMMENDED

===== Hazards

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 GE
T 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 F

ighting 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.A

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

=====
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.

=====
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 PELS
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 HANDLING

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:N

P

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 Pr

oducts: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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