

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

State:NC

ZIP:27215-3387

Country:US

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

CAGE:59896

===== 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 =====

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 =====

Respirat  
ory 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  
1STAID: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.

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

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.

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department  
of Defense. The United States of Amer

ica in no manner whatsoever,

expressly or implied, warrants this information to be accurate and  
disclaims all liability for its use. Any person utilizing this  
document should seek competent professional advice to verify and  
assume responsibility for the suitability of this information to their  
particular situation.