

CAROLINA BIOGOLICAL SUPPLY CO -- NITRIC ACID,87-7562 -- 6810-00-222-9655

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

Product ID:NITRIC ACID,87-7562

MSDS Date:11/21/1996

FSC:6810

NIIN:00-222-9655

MSDS Number: CDYDT

=== Responsible Party ===

Company Name:CAROLINA BIOGOLICAL SUPPLY CO

Address:2700 YORK RD

City:BURLINGTON

State:NC

ZIP:27215-3387

Country:US

Info Phone Num:910-584-0381

Emergency Phone Num:910-58

4-0381

Chemtrec Ind/Phone:(800)424-9300

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:NITRIC ACID (SARA 302/313) (CERCLA)

CAS:7697-37-2

RTECS #:QU5775000

Fraction by Wt: 69 - 71%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:2 PPM

ACGIH TLV:2 PPM/4 STEL; 9596

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

===== Hazards Identification =====

LD50 LC50 Mixture:TLV 2 PPM.

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:EYES, SKIN, TEETH,
RESPIRATORY & GI TRACTS. ACUTE- CORROSIVE. INHALE:CAN CAUSE
BREATHING DIFFICULTY, PULMONARY EDEMA WHICH MAY BE FATAL.
EYE/SKIN:SEVERE BURNS. MAY CAUSE PERMANENT EYE DA MA

GE.

ORAL:IMMEDIATE PAIN & BURNS OF MOUTH, THROAT, ESOPHAGUS & GI TRACT.
MAY BE FATAL. CHRONIC- EROSION OF TEETH.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:IRRITATION, BURNS, COUGHING, DIFFICULT
BREATHING, CHEST PAIN, ABDOMINAL PAIN, NAUSEA, VOMITING, DENTAL
EROSION, CHOCKING, SKIN REDNESS OR YELLOW-BROWN STAIN, EYE DAMAGE,
DEATH

Medical Cond Aggravated by Exposure:DAMAGED SKIN, EYE DISORDERS,
LUNG/RESPIRATORY SYSTEM DISEASES

===== Fir

st Aid Measures =====

First Aid:GET MEDICAL ATTENTION IMMEDIATELY. EYES/SKIN:IMMEDIATELY
FLUSH WITH WATER FOR AT LEAST 15 MINUTES. HOLD EYELIDS OPEN.
INHALED:REMOVE TO FRESH AIR. PROVIDE OXYGEN/CPR IF NEEDED. ORAL:IF
CONSCIOUS, INDUCE VOMITING IMMEDIATELY AS DIRECTED BY MEDICAL
PERSONNEL. CALL A PHYSICIAN/POISON CONTROL CENTER IMMEDIATELY.
NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

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

=====

Flash Point:NONE

Lower Limits:NOT RELEVANT

Upper Limits:NOT RELEVANT

Extinguishing Media:WATER SPRAY, DRY CHEMICAL, CARBON DIOXIDE, ALCOHOL
FOAM. USE WATER SPRAY TO DILUTE ACID AND ABSORB OXIDES OF NITROGEN.

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:STRONG OXIDIZER. CONTACT WITH
COMBUSTIBLES, FLAMMABLES/POWDERED META

LS CAN CAUSE FIRE OR
EXPLOSION. REACTS WITH MOST METALS FORMING HYDROGEN WHICH CAN
EXPLODE.

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

Spill Release Procedures:WEAR PROPER PROTECTIVE EQUIPMENT. VENTILATE
AREA. REMOVE IGNITION SOURCES (H₂ MAY BE PRESENT). DO NOT RELEASE
INTO SOIL, SEWER. PICK UP WITH AN ABSORBENT SUCH AS
SAND/VERMICULITE. TRANSFER TO SUITABLE CONTAINER FOR REUSE,
RECYCLING OR DISPOSAL.

Neutralizing Agent:SODA ASH, LIME, SODIUM B
ICARBONATE

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

Handling and Storage Precautions:STORE IN COOL, WELL-VENTILATED,
CORROSION-PROOF AREA, AWAY FROM SUNLIGHT, HEAT, COMBUSTIBLES &
INCOMPATIBLES. KEEP OUT OF REACH OF CHILDREN.

Other Precautions:DANGER! CORROSIVE. DO NOT GET IN EYES, ON SKIN OR ON
CLOTHING. AVOID BREATHING VAPORS. USE UNDER THE HOOD WITH ADEQUATE
VENTILATION. PROTECT CONTAINERS AGAINST PHYSICAL DAMAGE. WASH
THOROUGHLY AFTER HANDLING

G. EMPTY CONTAINER RETAINS RESIDUE

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

Respiratory Protection:USE NATIONAL INSTITUTE OF OCCUPATIONAL SAFETY
AND HEALTH (NIOSH) APPROVED SELF-CONTAINED BREATHING APPARATUS
OPERATED IN POSITIVE PRESSURE MODE WHEN PERMISSIBLE EXPOSURE LIMITS
ARE EXCEEDED.

Ventilation:PROVIDE GENERAL VENTILATION OR LOCAL EXHAUST TO MEET OSHA
PERMISSIBLE EXPOSURE LIMITS (OSHA PEL).

Protective Gloves:PVC, NEOPRENE, BUTYL

Eye Protection:

SAFETY GLASSES WITH SIDE SHIELD/GOGGLES

Other Protective Equipment:RUBBER SPLASH APRON, RUBBER BOOTS, EYEWASH
FOUNTAIN, SAFETY SHOWER

Work Hygienic Practices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND
RECOMMENDED PROCEDURES. WASH THOROUGHLY BEFORE EATING,
DRINKING/SMOKING.

Supplemental Safety and Health

NOTE TO PHYSICIAN:WASH AFFECTED SKIN AREAS WITH A 5% SOLUTION OF SODIUM
BICARBONATE. IF INGESTED, THE RISK VERSUS THE BENEFIT OF THE
PASSAGE OF A NASO-GASTRIC TUBE IS DEBATA

BLE. ACTIVATED CHARCOAL IS
OF NO VALUE. DO NOT GIVE THE EXPOSED PERSON BICARBONATE TO
NEUTRALIZE THE MATERIAL.

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

HCC:C4
NRC/State Lic Num:NOT RELEVANT
Boiling Pt:=122.2C, 252.F
Melt/Freeze Pt:=-33.7C, -29.F
Vapor Pres:62 @ 68F
Vapor Density:2.5
Spec Gravity:1.41
pH:ACIDIC
Solubility in Water:MISCIBLE
Appearance and Odor:CLEAR, COLORLESS LIQUID; SUFFOCATING/ACRID ODOR

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

Stability Indicator/Materials to Avoid:YES
BASES, ALCOHOLS, CYANIDES, COMBUSTIBLES, ORGANIC MATERIALS, METALLIC
POWDERS, CARBIDES, WATER
Stability Condition to Avoid:HEAT
Hazardous Decomposition Products:OXIDES OF NITROGEN INCLUDING NITROUS
OXIDE (N2O), NITRIC OXIDE (NO), NITROGEN DIOXIDE (NO2); NITRIC ACID
MIST OR VAPORS

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

Waste Disposal Methods:OBSERVE FEDERAL, STATE AND LOCAL ENVIRONMENTAL
RE
GULATORS FOR PROPER DISPOSAL. CONSIDER RECYCLING. KEEP
COMBUSTIBLES AWAY FROM SPILLED MATERIAL. REPORTABLE QUANTITY (RQ)
IS 1000 POUNDS. EPA WASTE NUMB ER: D002

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 America in no manner whatsoever,
expressly or implied, warrants this information to be accurate and
disclaims all liability for its use. Any person ut

ilizing this

document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.