

CAROLINA BIOGOLICAL SUPPLY CO -- 2-PROPANOL,70%,65-2705 -- 6810-00-286-5435

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Product Identification
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Product ID:2-PROPANOL,70%,65-2705

MSDS Date:03/24/1997

FSC:6810

NIIN:00-286-5435

MSDS Number: CDYFG

=== 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

:910-584-0381/800-424-9300(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

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Composition/Information on Ingredients
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Ingred Name:ISOPROPYL ALCOHOL (SARA 313)

CAS:67-63-0

RTECS #:NT8050000

Fraction by Wt: 70%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:400 PPM

ACGIH TLV:400 PPM/500STEL;9596

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Hazards Identification
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LD50 LC50 Mixture:LD50 (ORAL, RAT) IS 5045 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:EYE, SKIN, CNS, LIVER,
KIDNEYS, RESPIRATORY & GI TRACTS. ACUTE- HARMFUL IF

INHALED/INGESTED. MAY CAUSE CNS DEPRESSION, HEADACHE. MAY CAUSE EYE
IRRITATION. MAY INJURE EYE TISSUE IF NOT RE MOVED PROMPTLY.

PROLONGED/REPEAT

ED SKINCONTACT MAY CAUSE DERMATITIS. ASPIRATION

HAZARD. CHRONIC- LIVER & KIDNEY EFFECTS

Explanation of Carcinogenicity:NONE

Effects of Overexposure:IRRITATION, HEADACHE, DIZZINESS, NAUSEA,
VOMITING, TEARING, DEFATTING OF SKIN, DERMATITIS

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN

DISORDERS, EYE PROBLEMS OR IMPAIRED LIVER, KIDNEY OR RESPIRATORY
FUNCTION MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THIS PRODUCT.

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First Aid Measures
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First Aid:GET MEDICAL ATTENTION IF SYMPTOMS PERSIST. SKIN:FLUSH WITH
WATER. EYE:FLUSH WITH WATER FOR 15 MINUTES. HOLD EYELIDS OPEN.
INHALED:REMOVE TO FRESH AIR. PROVIDE OXYGEN/CPR IF NEEDED. ORAL:IF
CONSCIOUS, DRINK PLENTY OF WATER & INDUCE VOMITINGIMMEDIATELY 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 Method:TCC

Flash Point:=11.7C, 53.F

Autoignition Temp:=455.6C, 852.F

Lower Limits:2.5

Upper Limits:12.0

Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, "ALCOHOL" FOAM, OR
DRY CHEMICAL. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Fire Fighting Procedures:DO NOT ENTER ANY ENCLOSED OR CONFINED AREA
WITHOUT PROPER PROTECTIVE EQUIPMENT AND NIOSH-APPROVED
SELF-CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:VAPOR IS HEAVIER THAN AIR AND CAN

TRAVEL

CONSIDERABLE DISTANCE TO A SOURCE OF IGNITION AND FLASH BACK.
CONTAINERS MAY RUPTURE DUE TO VAPOR PRESSURE BUILDUP.

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

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT. ELIMINATE SOURCES OF IGNITION. VENTILATE AREA. CONTAIN AND PICK UP SPILL WITH NON-FLAMMABLE ABSORBENT SUCH AS SAND, EARTH, VERMICULITE. GROUND ALL HANDLING EQUIPMENTS. PREVENT LIQUID FROM ENTERING SEWERS OR WATERWAYS.

Neutralizing Agent:

DILUTE WITH WATER

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

Handling and Storage Precautions:STORE IN TIGHTLY CLOSED CONTAINERS IN FLAMMABLE LIQUID STORAGE ROOM/CABINET. AVOID EXCESSIVE HEAT. KEEP AWAY FROM INCOMPATIBLE MATERIALS.

Other Precautions:AVOID BREATHING VAPORS. DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING OR DRINKING. KEEP OUT OF REACH OF CHILDREN.

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

Respiratory Protection:IF TLV IS EXCEEDED OR FOR SYMPTOMS OF OVER EXPOSURE, WEAR NIOSH-APPROVED ORGANIC VAPOR RESPIRATOR OR SUPPLIED AIR RESPIRATOR. IN EMERGENCY, WEAR A NIOSH-APPROVED POSITIVE-PRESSURE SELF-CONTAINED BREATHING APPARATUS.

Ventilation:MECHANICAL (GENERAL AND/OR LOCAL EXHAUST, EXPLOSION-PROOF) VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S).

Protective Gloves:RUBBER, NEOPRENE FOR REPEATED CONTACT

Eye Protection:SAFETY GLASSES/CHEMICAL SPLASH GOGGLES

Other Protective Equipment:EYE WASH STATION & SAFETY SHOWERS SHOULD BE AVAILABLE IN THE IMMEDIATE VICINITY OF ANY POTENTIAL EXPOSURE.

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

Supplemental Safety and Health

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

HCC:F2

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:=82.2C, 180.F

B.P. Text:180F - 181F

Melt/Free

eze Pt:=-88.9C, -128.F
M.P/F.P Text:-128F,-89C
Vapor Pres:33 @ 68F
Vapor Density:2.07
Spec Gravity:0.7861
Evaporation Rate & Reference:2.3 (N-BUTYL ACETATE=1)
Solubility in Water:MISCIBLE
Appearance and Odor:CLEAR, COLORLESS LIQUID - CHARACTERISTIC ODOR
Percent Volatiles by Volume:99

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

Stability Indicator/Materials to Avoid:YES
STRONG OXIDIZING AGENTS, ACIDS, CHLORINE, ACETALDEHYDE, ETHYLENE OXIDE,
ISOCYANATES
Stability
Condition to Avoid:HIGH HEAT, SPARKS, OPEN FLAMES AND OTHER
SOURCES OF IGNITION
Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE

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

Waste Disposal Methods:DISPOSE IN AN APPROVED INCINERATOR OR CONTRACT
WITH LICENSED CHEMICAL WASTE DISPOSAL SERVICE. DISCHARGE, TREATMENT
OR DISPOSAL IS SUBJECT TO FEDERAL, STATE OR LOCAL LAWS (D001). WHEN
EMPTY, THOROUGHLY RINSE CONTAINER WITH WATER BEFORE DISPOSAL.

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