

## MATERIAL SAFETY DATA SHEET SANITRATE AEROS

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SECTION I - GENERAL INFORMATION

Chemical Name & Synonyms: N/A  
Trade Name & Synonyms: SANITRATE AEROSOL

Chemical Family: ALCOHOL/PHENOL BLEND  
Formula Mixture: X

Manufacturer's Name:  
CERTIFIED LABS, DIV. OF NCH CORP.

Address:  
BOX 152170  
IRVING, TEXAS 75015  
Prepared By: K RAHN/CHEMIST  
Product Code Number: 5034  
Emergency Phone Number: 800-424-9300

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SECTION II - HAZARDOUS INGREDIENTS

THE HAZARDS PRESENTED BELOW ARE THOSE OF THE INDIVIDUAL COMPONENTS  
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Chemical Name (Ingredients): ETHANOL  
Hazard: FLAM/IRR.  
TLV: 1000 PPM 1  
PEL: 1000 PPM 2  
STEL: NOT EST.  
CAS#: 64-17-5

Chemical Name (Ingredients): BUTANE  
Hazard: FLAMMABLE  
TLV: 800 PPM 1.  
PEL: 800 PPM 2.  
STEL: NOT EST.  
CAS#: 106-97-8

Chemical Name (Ingredients): PROPANE  
Hazard: FLAMMABLE

TLV: NOT EST.  
PEL: 1000 PPM 2  
STEL: NOT EST.  
CAS#: 74-98-6

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## SECTION III - PHYSICAL DATA

Boiling Point (f): 180  
Specific Gravity (H2O=1): 0.870  
Vapor Pressure (MM HG): 30  
Color: CLEAR  
Vapor Density (Air=1): >1  
Odor: PLEASANT  
PH @ 100%: 11.0  
Clarity: TRANSPARENT  
Volatile by Volume: 97  
Evaporation Rate (BU A/C=1): 0.1  
H2O Solubility: COMPLETE  
Viscosity: NON-VISCOUS

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## SECTION IV - FIRE AND EXPLOSION HAZARD

Flash Point: 71 F. / T.C.C.  
Flammable Limits: ETHANOL LEL: 4.0 UEL:19  
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## Extinguishing Media:

Foam: Alcohol Foam: CO2: X  
Dry Chemical: X Water Spray: X Other:

## Special Fire Fighting Procedures:

FIREFIGHTERS SHOULD WEAR A SELF CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY TO PREVENT BURSTING.

## Unusual Fire and Explosion Hazards:

AT ELEVATED TEMPERATURES (OVER 130 F) CONTAINERS MAY VENT, RUPTURE OR BURST.

Aerosol Level (NFPA 30B): 3

NFPA 704 Hazard Rating:

(0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme)

Health: 2      Flammability: 3      Instability: 1      Special:

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SECTION V - HEALTH HAZARD DATA

Threshold Limit Value:

NOT ESTABLISHED FOR MIXTURE. SEE SECTION II.

Effects of Overexposure:

-Acute (Short Term Exposure)

EYE CONTACT: CAUSES IRRITATION SEEN AS ITCHING AND REDNESS.

-Chronic (Long Term Exposure)

PROLONGED CONTACT CAN CAUSE APPRECIABLE IRRITATION TO EYES LEADING TO CORNEAL OPACITY IN REPEATED SEVERE EXPOSURES. LONG-TERM REPEATED ORAL EXPOSURE TO ETHANOL MAY RESULT IN DEVELOPMENT OF PROGRESSIVE LIVER INJURY WITH FIBROSIS. TARGET ORGANS: LIVER. MEDICAL CONDITIONS AGGRAVATED: PRE-EXISTING LIVER DISEASES.

Primary Routes of Entry: Inhalation:      Ingestion:      Absorption:

Emergency and First Aid Procedures:

-Inhalation:

REMOVE FROM THE AREA TO FRESH AIR. SEEK MEDICAL ATTENTION IF RESPIRATORY IRRITATION DEVELOPS OR IF BREATHING BECOMES DIFFICULT.

-Eye Contact:

RINSE THE EYES WITH WATER. REMOVE ANY CONTACT LENSES AND CONTINUE FLUSHING WITH PLENTY OF WATER FOR SEVERAL MINUTES. SEEK MEDICAL ATTENTION IF IRRITATION DEVELOPS.

-Skin Contact:

WASH AFFECTED AREAS WITH PLENTY OF SOAP AND WATER FOR SEVERAL MINUTES. SEEK MEDICAL ATTENTION IF IRRITATION DEVELOPS.

-Ingestion:

GIVE 3 TO 4 GLASSES OF WATER, BUT DO NOT INDUCE VOMITING. IF VOMITING OCCURS, GIVE FLUIDS AGAIN. GET IMMEDIATE MEDICAL ATTENTION IF DISCOMFORT OCCURS.

-Notes to Physician:

N/A

## SECTION VI - TOXICITY INFORMATION

Product Contains Chemicals Listed as Carcinogen or Potential Carcinogen By:

IARC: No                                      NTP: No                                      OSHA: No  
ACGIH: No                                      OTHER: Yes

## ETHANOL

EYE-HMN: 20PPM 3.

ORL-RAT TDLO 132 G/KG (1-22 DAYS PREG) 3.

ORL-RBT LD50: 6300MG/KG 3.

SKN-RBT 500MG/24H SEVERE 3.

REPEATED INGESTION OF ETHANOL BY PREGNANT MOTHERS HAS BEEN SHOWN TO AFFECT THE CENTRAL NERVOUS SYSTEM OF THE FETUS.

SEVERELY AFFECT THE CENTRAL NERVOUS SYSTEM OF THE FETUS.

## BUTANE

IHL-MUS LC50: 680G/M3/2H 3.

IHL-RAT LC50: 658G/M3/4H 3.

## SECTION VII - REACTIVITY DATA

Stability:                                      Stable: X                                      Unstable:

Conditions to Avoid: AVOID HEATING ABOVE 120 F.

Incompatibility (Materials to Avoid):

NONE

Hazardous Decomposition Products:

OXIDES OF CARBON.

Hazardous Polymerization:

May Occur:                                      Will Not Occur: X

Conditions to Avoid: N/A

## SECTION VIII - SPILL OR LEAK PROCEDURES

Steps to be Taken if Material is Released or Spilled:

DUE TO THE NATURE OF THE AEROSOL PACKAGING, A LARGE SPILL IS UNLIKELY. FOR A SMALL SPILL, ABSORB WITH AN INERT MATERIAL AND TRANSFER ALL MATERIAL INTO A PROPERLY LABELED CONTAINER FOR DISPOSAL. WEAR APPROPRIATE PROTECTIVE CLOTHING. EXTINGUISH SOURCES OF IGNITION DURING CLEANUP.

Waste Disposal Method(s):

DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS.

Neutralizing Agent:

N/A

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SECTION IX - SPECIAL PROTECTION INFORMATION

Required Ventilation:

GENERAL MECHANICAL IS USUALLY ADEQUATE.

Respiratory Protection:

NONE REQUIRED

Glove Protection:

N/A

Eye Protection:

SAFETY GLASSES WITH SIDE SHIELDS IF THE METHOD OF USE PRESENTS THE LIKELIHOOD OF EYE CONTACT.

Other Protection:

N/A

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SECTION X - STORAGE AND HANDLING INFORMATION

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Storage Temperature:

Indoors: X

Outdoors:

Heated:

Refrigerated: X

Minimum Temperature: 32 F.

Maximum Temperature: 100 F

Precautions to be taken in Handling and Storing:

USE CAUTION AROUND HEAT, SPARKS, PILOT LIGHTS, STATIC ELECTRICITY AND OPEN FLAME. AVOID BREATHING SPRAY MIST OR VAPORS. FLAMMABLE, STORE IN A COOL DRY PLACE.

Other Precautions:

READ ENTIRE LABEL BEFORE USING. KEEP OUT OF REACH OF CHILDREN.

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SECTION XI - REGULATORY INFORMATION

Chemical Name	CAS Number	Upper % Limit
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Those Ingredients listed above are subject to the reporting requirements of 313 of Title III and of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372.

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SECTION XII - REFERENCES

1. THRESHOLD LIMIT VALUES FOR CHEMICAL SUBSTANCES AND PHYSICAL AGENTS AND BIOLOGICAL EXPOSURE INDICES, ACGIH, 1994-1995.
2. OSHA, PEL.
3. SAX'S DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS, 8TH ED., RICHARD J. LEWIS, SR.

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