

MATERIAL SAFETY DATA SHEET: HEALTHY HANDS INSTANT ANTISEPTIC W/MOIST: 1

(000000-000000- -4106 )

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SECTION I - GENERAL INFORMATION

Chemical Name & Synonyms N/A	Trade Name & Synonyms HEALTHY HANDS INSTANT ANTISEPTIC W/MOIST
Local Family: UNNATURATED ETHANOL	Formula Mixture --> X
Manufacturer's Name: CERTIFIED LABS, DIV. OF NCH CORP.	
Address: BOX 152170 IRVING, TEXAS 75015	
Prepared By: M McDowell/Chemist	Product Code Number 4106
	Emergency Phone Number 800-424-9300

SECTION II - HAZARDOUS INGREDIENTS

THE HAZARDS PRESENTED BELOW ARE THOSE OF THE INDIVIDUAL COMPONENTS

Chemical Name (Ingredients)	Hazard	TLV	PEL	STEL	CAS #
ETHYL ALCOHOL	\$\$	1000 PPM 1	1000 PPM 2	N/E	64-17-5
GLYCERIN	IRRITANT	10 MG/M3\$1	5 MG/M3 \$2	N/E	56-81-5
\$ GLYCERINE MIST, RESPIRABLE FRACTION					
\$\$ CARC/FLAM/IRR					

SECTION III - PHYSICAL DATA

Boiling Point (F):	92*	Specific Gravity (H2O=1):	0.89
Vapor Pressure (MM HG):	33.1	Color:	PURPLE
Vapor Density (Air=1):	1.3	Odor:	ALCOHOL
pH @ 100% :	5.0-8.5	Clarity:	TRANSPARENT
Volatile by Volume:	98	Evaporation Rate (BU A/C=1):	1.8
Solubility:	COMPLETE	Viscosity:	VISCOUS

SECTION IV - FIRE AND EXPLOSION HAZARD

Flash Point 77°F / P.H.C.C.	Flammable Limits ETHYL ALCOHOL	LEL 3.3%	UEL 19%
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Extinguishing Media  
X --Foam    X --Alcohol Foam    X --CO2    X --Dry Chemical    X --Water Spray    --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:  
VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL TO DISTANT AND/OR LOW-LYING SOURCES OF IGNITION AND FLASHBACK. PRODUCT MAY PRODUCE A FLOATING FIRE HAZARD AS LIQUID FLOATS ON WATER. THE USE OF WATER SPRAY (FOG) WHILE EFFECTIVE, MAY CAUSE FROTHING AND FOAMING. NEVER USE A WATER JET AS THIS WILL JUST SPREAD THE FIRE. USE CARE AS SPILLS MAY BE SLIPPERY.

Aerosol Level (NFPA 30B):    N/A

NFPA 704 Hazard Rating    (0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme)  
2 --Health    3 --Flammability 0 --Instability    --Special

SECTION V - HEALTH HAZARD DATA

Threshold Limit Value:  
NOT ESTABLISHED FOR MIXTURE. SEE SECTION II.

Effects of Overexposure:  
-Acute (Short Term Exposure)  
EYE CONTACT: MAY CAUSE IRRITATION SEEN AS STINGING, TEARING, AND REDNESS.  
SKIN CONTACT: PROLONGED OR REPEATED CONTACT AS FROM CLOTHING WET WITH MATERIAL MAY CAUSE DRYING, DEFATTING, AND CRACKING OF THE SKIN.  
INHALATION: MAY CAUSE RESPIRATORY IRRITATION OF THE THROAT SEEN AS COUGHING AND SNEEZING; HEADACHES, DROWSINESS, A STATE OF WEARINESS OR EXHAUSTION, LOSS OF APPETITE, AND INABILITY TO CONCENTRATE.  
INGESTION: MAY CAUSE IRRITATION WITH POSSIBLE NAUSEA, VOMITING, DIARRHEA, AND CENTRAL NERVOUS SYSTEM DEPRESSION.

-Chronic (Long Term Exposure)  
G-TERM INGESTION OF ETHANOL MAY RESULT IN THE DEVELOPMENT OF PROGRESSIVE LIVER INJURY WITH FIBROSIS, SLEEP DISORDERS, HALLUCINATIONS, CONVULSIONS, ANEMIA AND PULMONARY CHANGES. ADDITIONALLY, REPEATED INGESTION BY PREGNANT WOMEN HAS BEEN SHOWN TO ADVERSELY AFFECT THE CENTRAL NERVOUS SYSTEM OF THE FETUS KNOWN AS FETAL ALCOHOL SYNDROME. IARC HAS ALSO DETERMINED THAT CHRONIC INGESTION OF ETHANOL CAN CAUSE CANCER OF THE LIVER.  
MEDICAL CONDITIONS AGGRAVATED: PRE-EXISTING LIVER DISEASES AND PRE-EXISTING RESPIRATORY AND SKIN CONDITIONS SUCH AS ASTHMA, EMPHYSEMA, AND DERMATITIS.  
TARGET ORGANS: LIVER AND CENTRAL NERVOUS SYSTEM. THE PRIMARY ROUTES OF EXPOSURE ARE SKIN AND EYE CONTACT.

Primary Routes of Entry:    X --Inhalation    --Ingestion    --Absorption

## SECTION V - HEALTH HAZARD DATA (Continued)

## 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:

NOT EXPECTED TO BE A HAZARD.

## -Ingestion:

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

## -Notes to Physician:

THERE IS NO SPECIFIC ANTIDOTE. TREAT THE PATIENT SYMPTOMATICALLY.

## SECTION VI - TOXICITY INFORMATION

## Product Contains Chemicals Listed as Carcinogen or Potential Carcinogen By:

IARC--> Yes    NTP--> Yes    OSHA--> No    ACGIH--> No    OTHER--> Yes

TOTAL VOC CONTENT: 67.5% BY WEIGHT, 600.6 G/L

VOC CONTENT AFTER LVP EXEMPTION: 66.5% BY WEIGHT, 592.0 G/L

## ETHYL ALCOHOL

ORL-HMN LDLo: 1400 MG/KG    3.  
 ORL-RAT LD50: 7060 MG/KG    3.  
 IHL-RAT LC50: 20,000 PPM/10H    3.  
 SKN-RBT SDT: 20 MG/24H MODERATE    3.  
 EYE-RBT SDT: 500 MG/24H MILD    3.

IARC HAS DETERMINED THAT ETHANOL IS A CARCINOGEN EFFECTING THE LIVER BASED ON CHRONIC EXPOSURE THROUGH HUMAN CONSUMPTION VIA THE DRINKING OF ALCOHOLIC BEVERAGES OVER AN EXTENDED PERIOD OF TIME. 4.

NTP - ALCOHOLIC BEVERAGE CONSUMPTION: KNOWN HUMAN CARCINOGEN.

## GLYCERINE

ORL-HMN TDLo: 1428 MG/KG    3.  
 ORL-RAT LD50: 12600 MG/KG    3.  
 IHL-RAT LC50: >570 MG/M3/1H    3.  
 SKN-RBT LD50: >10 GM/KG    3.  
 SKN-RBT SDT: 500 MG/24H MILD    3.  
 EYE-RBT SDT: 500 MG/24H MILD    3.

## SECTION VII - REACTIVITY DATA

Stability:            X <--Stable            <--Unstable

## Conditions to Avoid:

AVOID HEAT, HOT SURFACES, SPARKS, AND OPEN FLAMES.

## Incompatibility (Materials to Avoid):

STRONG OXIDIZING AGENTS SUCH AS CHLORINE BLEACH, CONCENTRATED HYDROGEN PEROXIDE, AND PERRHANGANATES; BASES AND ANHYDRIDES.

## Hazardous Decomposition Products:

OXIDES OF CARBON.

## Hazardous Polymerization:

<--May Occur            X <--Will Not Occur

## 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 PACKAGING, A LARGE SPILL IS UNLIKELY. FOR A SMALL SPILL, VENTILATE THE AREA, ABSORB WITH AN INERT MATERIAL AND TRANSFER ALL MATERIAL INTO A PROPERLY LABELED CONTAINER FOR DISPOSAL. FOR A LARGE SPILL, WEAR APPROPRIATE PROTECTIVE CLOTHING. ELIMINATE ALL SOURCES OF IGNITION AND VENTILATE THE AREA. USE ONLY NON-SPARKING EQUIPMENT. USE CARE AS SPILLS MAY BE SLIPPERY. SHUT OFF SOURCE OF LEAK. DIKE AND CONTAIN SPILL. ABSORB WITH AN INERT MATERIAL AND TRANSFER ALL MATERIAL INTO A PROPERLY LABELED CONTAINER FOR DISPOSAL. PREVENT PRODUCT FROM CONTAMINATING SOIL OR FROM ENTERING SEWAGE AND DRAINAGE SYSTEMS AND BODIES OF WATER. FLUSH AREA WITH WATER. USE CARE AS SPILLS MAY BE SLIPPERY.

## Waste Disposal Method(s):

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

## Neutralizing Agent:

N/A

## SECTION IX - SPECIAL PROTECTION INFORMATION

## Required Ventilation:

GENERAL VENTILATION IS NORMALLY ADEQUATE. LOCAL VENTILATION IS RECOMMENDED TO CONTROL EXPOSURE FROM OPERATIONS THAT CAN GENERATE EXCESSIVE LEVELS OF VAPORS OR MISTS. LOCAL VENTILATION IS PREFERRED, BECAUSE IT PREVENTS DISPERSION INTO WORK AREAS BY CONTROLLING IT AT ITS SOURCE.

## Respiratory Protection:

NONE REQUIRED UNDER NORMAL CONDITIONS OF USE. RESPIRATORS SHOULD BE SELECTED BY AND USED UNDER THE DIRECTION OF A TRAINED HEALTH AND SAFETY PROFESSIONAL FOLLOWING REQUIREMENTS FOUND IN OSHA'S RESPIRATOR STANDARD (29 CFR 1910.134) AND ANSI'S STANDARD FOR RESPIRATORY PROTECTION (Z88.2-1992). FOR CONCENTRATIONS ABOVE THE TLV AND/OR PEL BUT LESS THAN 10 TIMES THESE LIMITS, A NIOSH APPROVED HALF-FACEPIECE RESPIRATOR EQUIPPED WITH APPROPRIATE CHEMICAL CARTRIDGES MAY BE USED. FOR CONCENTRATIONS GREATER THAN 10 TIMES THE TLV AND/OR PEL, CONSULT THE NIOSH RESPIRATOR DECISION LOGIC FOUND IN PUBLICATION NO. 87-116 OR ANSI Z88.2-1992.

## Glove Protection:

NONE UNDER NORMAL CONDITIONS OF USE.

SECTION IX - SPECIAL PROTECTION INFORMATION (Continued)

Eye Protection:  
NONE UNDER NORMAL CONDITIONS OF USE. SAFETY GLASSES WITH SIDE SHIELDS IF THE METHOD OF APPLICATION PRESENTS THE LIKELIHOOD OF EYE CONTACT. ENSURE COMPLIANCE WITH OSHA'S PERSONAL PROTECTIVE EQUIPMENT (PPE) STANDARD FOR EYE AND FACE PROTECTION, 29 CFR 1910.133.

Other Protection:  
NONE UNDER NORMAL CONDITIONS OF USE.

SECTION X - STORAGE AND HANDLING INFORMATION

Storage Temperature: Indoors--> X                      Outdoors-->                      Heated-->                      Refrigerated-->  
Minimum Temperature: 35°F    Maximum Temperature: 120°F

Precautions to be Taken in Handling and Storing:  
USE WITH CAUTION AROUND HEAT, SPARKS, PILOT LIGHTS, STATIC ELECTRICITY AND OPEN FLAME. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE.

Other Precautions:  
KEEP OUT OF REACH OF CHILDREN. READ THE ENTIRE LABEL BEFORE USING THE PRODUCT. FOLLOW THE LABEL DIRECTIONS.

SECTION XI - REGULATORY INFORMATION

Chemical Name	CAS Number	Upper & Limit
None		

Those ingredients listed above are subject to the reporting requirements of 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372.

Please call 1-800-527-9919 for additional information if you are a California customer.  
This MSDS is not intended for users in the state of California.

SECTION XII - REFERENCES

1. THRESHOLD LIMIT VALUES FOR CHEMICAL SUBSTANCES AND PHYSICAL AGENTS AND BIOLOGICAL EXPOSURE INDICES, ACGIH, 2004.
  2. OSHA PEL.
  3. REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES, CCINFOWeb, 2004.
  4. INTERNATIONAL AGENCY FOR RESEARCH ON CANCER, MONOGRAPH NO. 44.
- ALL THE COMPONENTS OF THIS PRODUCT ARE IN COMPLIANCE WITH THE TOXIC SUBSTANCES CONTROL ACT (TSCA) AND ARE EITHER LISTED ON THE TSCA INVENTORY OR OTHERWISE EXEMPTED FROM LISTING.
- IRR: IRRITANT, FLAM/FLAMM: FLAMMABLE, COMB: COMBUSTIBLE, CORR: CORROSIVE, CARC: CARCINOGENIC, TOX: TOXIC, N/A: NOT APPLICABLE, N/E: NOT ESTABLISHED, COC: CLEVELAND OPEN CUP, PMCC: PENSKY-MARTIN CLOSED CUP, TCC: TAGLIAPIRE CLOSED CUP, LEL: LOWER EXPLOSION LIMIT, UEL: UPPER EXPLOSION LIMIT, NFPA: NATIONAL FIRE PROTECTION ASSOCIATION, IARC: INTERNATIONAL AGENCY FOR THE RESEARCH ON CANCER, NTP: NATIONAL TOXICOLOGY PROGRAM, OSHA: OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION, ACGIH: AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS, TLV: THRESHOLD LIMIT VALUE, PEL: PERMISSIBLE EXPOSURE LIMIT, STEL: SHORT-TERM EXPOSURE LIMIT, HLD: MILD, MOD: MODERATE, SEV: SEVERE, MUT: MUTAGENIC, ASPHYX: ASPHYXIANT, PPOS: PARTICLES (INSOLUBLE) NOT OTHERWISE SPECIFIED, SDT: STANDARD DRAIZE TEST, ORL: ORAL, IHL: INHALATION, HRN: HUMAN

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