

**MATERIAL SAFETY DATA SHEET:HEALTHY HANDS ANTIBACT HA ND CLN (16 OZ)**

DATE OF ISSUE: 08/25/2004

SUPERCEDES: 02/01/2001

**SECTION I - GENERAL INFORMATION**

**Chemical Name & Synonyms:**

N/A

**Trade Name & Synonyms:**

HEALTHY HANDS ANTIBACT HA ND CLN (16 OZ)

**Chemical Family:**

DETERGENT MIXTURE

**Formula Mixture:** X

**Manufacturer's Name:**

CHEMSEARCH DIV. OF NCH CORP.

**Address:**

BOX 152170

IRVING, TX 75015

**Prepared By:**

M McDowell/Chemist

**Product Code Number**

0934

**Emergency Phone Number**

800-424-9300

**SECTION II - HAZARDOUS INGREDIENTS**

THE HAZARDS PRESENTED BELOW ARE THOSE OF THE INDIVIDUAL COMPONENTS

<b>Chemical Name (Ingredients)</b>	<b>Hazard</b>	<b>TLV</b>	<b>PEL</b>	<b>STEL</b>	<b>CAS #</b>
PROPYLENE GLYCOL	IRRITANT	N/E 1	N/E 2	N/E	57-55-6
ETHYL ALCOHOL	IRRI/CARC	1000 PPM 1	1000 PPM 2	N/E	64-17-5
SODIUM LAURYL SULFATE	IRRITANT	N/E 1	N/E 2	N/E	151-21-3
GLYCERINE	IRRITANT	10 MG/M3\$1	5 MG/M3\$2	N/E	56-81-5
LAURAMIDE DIETHANOLAMIDE	IRRITANT	N/E 1	N/E 2	N/E	120-40-1
SODIUM LAURYL ETHER SULFATE	IRRITANT	N/E 1	N/E 2	N/E	9004-82-4
\$ RESPIRABLE FRACTION AS GLYCERINE MIST					

**SECTION III - PHYSICAL DATA**

<b>Boiling Point (f):</b>	210°	<b>Specific Gravity (H2O=1):</b>	1.02
<b>Vapor Pressure (MM HG):</b>	16.9	<b>Color:</b>	HOT PINK
<b>Vapor Density (Air=1):</b>	0.7	<b>Odor:</b>	FRESH AND CLEAN
<b>PH @ 100% :</b>	5.5-9.0	<b>Clarity</b>	TRANSPARENT
<b>% Volatile by Volume:</b>	83	<b>Evaporation Rate (BU A/C=1):</b>	0.5
<b>H2O Solubility:</b>	COMPLETE	<b>Viscosity:</b>	VISCOUS

**SECTION IV - FIRE AND EXPLOSION HAZARD**

<b>Flash Point:</b>	<b>Flammable Limits:</b>	<b>LEL:</b>	<b>UEL:</b>
NON-FLAM / SETAFLASH	N/A	N/A	N/A

**Extinguishing Media:**

Foam:X Alcohol Foam:X 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. EXTINGUISHING MEDIA SHOULD BE CHOSEN BASED ON THE NATURE OF THE SURROUNDING FIRE.

**Unusual Fire and Explosion Hazards:**

USE CARE AS SPILLS MAY BE SLIPPERY.

**NFPA Hazard Rating: (0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme)**

Health:1 Flammability:1 Instability:0 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 TEARING AND REDNESS. SKIN CONTACT: PROLONGED OR REPEATED CONTACT MAY CAUSE DRYING AND CHAPPING OF THE SKIN. MAY CAUSE ALLERGIC SKIN REACTION SEEN AS DELAYED SKIN RASH WHICH MAY BE FOLLOWED BY BLISTERING, SCALING, AND OTHER SKIN EFFECTS. INHALATION: MIST MAY CAUSE RESPIRATORY IRRITATION SEEN AS COUGHING AND SNEEZING. INGESTION: MAY CAUSE IRRITATION WITH POSSIBLE NAUSEA, VOMITING, AND DIARRHEA.

**-Chronic (Long Term Exposure)**

MAY CAUSE SKIN SENSITIZATION IN SOME INDIVIDUALS. MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE ARE PRE-EXISTING RESPIRATORY AND SKIN CONDITIONS SUCH AS ASTHMA, EMPHYSEMA, AND DERMATITIS. TARGET ORGANS: BLOOD-FORMING ORGANS. THE PRIMARY ROUTES OF EXPOSURE ARE SKIN AND EYE CONTACT.

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

**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 A HAZARD UNDER NORMAL CONDITIONS OF USE

**-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.

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**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: 3.3% BY WEIGHT, 3.7 % BY VOLUME, 34.1 G/L**  
**VOC CONTENT AFTER EXEMPTION: 1.7% BY WEIGHT, 1.9% BY VOLUME, 17.3 G/L**

**PROPYLENE GLYCOL**

**ORL-RAT LD50: 4200 MG/KG 3.**  
**IHL-RAT TCLo: 2180 MG/M3/6H/90D-I 4.**  
**SKN-RBT LD50: 20800 MG/KG 4.**  
**SKN-HMN SDT: 104 MG/3D (INTERMITTENT); MODERATE 4.**  
**EYE-RBT SDT: 500 MG/24H MILD 3.**

**ETHYL ALCOHOL**

**ORL-RAT LD50: 7060 MG/KG 4.**  
**ORL-HMN LDLo: 1400 MG/KG 4.**  
**IHL-RAT LC50: 20,000 PPM/10H 4.**  
**SKN-RBT SDT: 20 MG/24H MODERATE 4.**  
**EYE-RBT SDT: 500 MG/24H MILD 4.**

**IARC HAS DETERMINED THAT ETHANOL IS A CARCINOGEN AFFECTING THE LIVER BASED ON CHRONIC EXPOSURE THROUGH HUMAN CONSUMPTION VIA THE DRINKING OF ALCOHOLIC BEVERAGES OVER AN EXTENDED PERIOD OF TIME. 5.**

**NTP - ALCOHOLIC BEVERAGE CONSUMPTION: KNOWN HUMAN CARCINOGEN.**

**SODIUM LAURYL SULFATE**

**ORL-RAT LD50: 1288 MG/KG 4.**  
**IHL-RAT LC50: >3900 MG/M3/1H 4.**  
**SKN-RBT LD50: >2000 MG/KG AND <20000 MG/KG 3.**

SKN-RBT SDT: 50 MG/24H SEVERE 4.  
EYE-RBT SDT: 100 MG/24H MODERATE 4.  
EYE-RBT IRR SCORE: 34.3 3.

**GLYCERINE**

ORL-HMN TDLo: 1428 MG/KG 4.  
ORL-RAT LD50: 12600 MG/KG 4.  
IHL-RAT LC50: >570 MG/M3/1H 4.  
SKN-RBT LD50: >10 GM/KG 4.  
SKN-RBT SDT: 500 MG/24H MILD 4.  
EYE-RBT SDT: 500 MG/24H MILD 4.

**LAURAMIDE DIETHANOLAMIDE**  
ORL-RAT LD50: 1200 MG/KG 6.

**SODIUM LAURYL ETHER SULFATE**  
ORL-RAT LD50: 1600 MG/KG 4.  
SKN-RBT SDT: 25 MG/24H MODERATE 4.  
EYE-RBT SDT: 100 uL/24H SEVERE 4.

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**SECTION VII - REACTIVITY DATA**

**Stability:** Stable:X Unstable:  
Conditions to Avoid: NONE KNOWN.  
**Incompatibility (Materials to Avoid):**  
STRONG OXIDIZING AGENTS SUCH AS CHLORINE BLEACH AND CONCENTRATED HYDROGEN PEROXIDE.  
**Hazardous Decomposition Products:**  
OXIDES OF CARBON, SULFUR, AND NITROGEN; HYDROGEN SULFIDE.  
**Hazardous Polymerization:** May Occur: Will Not Occur:X  
Conditions to Avoid: N/A

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**SECTION VIII - SPILL OR LEAK PROCEDURES**

**Steps to be Taken if Material is Released or Spilled:**  
WEAR APPROPRIATE PROTECTIVE CLOTHING. 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.  
**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 VENTILATION IS NORMALLY ADEQUATE. LOCAL VENTILATION IS RECOMMENDED TO CONTROL EXPOSURE FROM OPERATIONS THAT CAN GENERATE EXCESSIVE LEVELS OF 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 REQUIRED UNDER NORMAL CONDITIONS OF USE.  
**Eye Protection:**  
NONE REQUIRED 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.

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**SECTION X - STORAGE AND HANDLING INFORMATION**

<b>Storage Temperature:</b>	Indoors:X	Outdoors:X	Heated:	Refrigerated:
Minimum Temperature:35°F		Maximum Temperature:120°F		

**Precautions to be taken in Handling and Storing:**

KEEP FROM FREEZING. IF PRODUCT FREEZES ALLOW IT TO SLOWLY WARM TO ROOM TEMPERATURE AND STIR THOROUGHLY BEFORE USING.

**Other Precautions:**

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

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**SECTION XI - REGULATORY INFORMATION**

<b>Chemical Name</b>	<b>CAS Number</b>	<b>Upper % Limit</b>
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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

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**SECTION XII - REFERENCES**

1. THRESHOLD LIMIT VALUES FOR CHEMICAL SUBSTANCES AND PHYSICAL AGENTS AND BIOLOGICAL EXPOSURE INDICES, ACGIH, 2004.
2. OSHA PEL.
3. VENDOR'S MSDS.
4. REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES, CCINFOWeb, 2004.
5. IARC
6. SAX'S DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS, EIGHTH EDITION, RICHARD J. LEWIS, SR. 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:TAGLIABUE 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, MLD:MILD, MOD:MODERATE, SEV:SEVERE, MUT:MUTAGENIC, ASPHYX:ASPHYXIAN, PNOS:PARTICLES (INSOLUBLE) NOT OTHERWISE SPECIFIED, SDT:STANDARD DRAIZE TEST, ORL:ORAL, IHL:INHALATION, HMN:HUMAN

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