MATERIAL SAFETY DATA SHEET GROUNDSMASTER SWA

DATE OF ISSUE: 03/26/1999
SUPERCEDES: 03/22/1999

SECTION I - GENERAL INFORMATION

Chemical Name & Synonyms:
N/A

Trade Name & Synonyms:
GROUNDSMASTER SWA

Chemical Family:
EHTOXYLATED ALCOHOL

Formula Mixture:
X

Manufacturer's Name:
CHEMSEARCH DIV. OF NCH CORP.

Address:
BOX 152170
IRVING, TX 75015

Prepared By: R STOLLEY/CHEMIST
Product Code Number: 0353
Emergency Phone Number: 800-424-9300

SECTION II - HAZARDOUS INGREDIENTS

THE HAZARDS PRESENTED BELOW ARE THOSE OF THE INDIVIDUAL COMPONENTS:

Chemical Name (Ingredients):	ISOPROPYL ALCOHOL
Hazard:	COMB/IRR
TLV:	400 PPM 1
PEL:	400 PPM 2
STEL:	N/E
CAS#:	67-63-0

Chemical Name (Ingredients):	ETHOXYLATED DECYL ALCOHOL
Hazard:	IRRITANT
TLV:	N/E 1
PEL:	N/E 2
STEL:	N/E
CAS#:	67439-46-3

SECTION IIa - NON-HAZARDOUS INGREDIENTS

(NON-HAZARDOUS INGREDIENT NAMES AND CAS NUMBERS ARE PROTECTED UNDER NJ TRADE)

Secret Registry #: 409363-5094P

SECTION III - PHYSICAL DATA

Boiling Point (f):	180
Specific Gravity (H20=1):	1.010
Vapor Pressure (MM HG):	21
Color:	COLORLESS
Vapor Density (Air=1):	0.6
Odor:	ALCOHOL
PH @ 100%:	6.5
Clarity:	TRANSPARENT
Volatile by Volume:	60

Evaporation Rate (BU A/C=1): 0.10
H20 Solubility: COMPLETE
Viscosity: SEMI-VISCOUS

SECTION IV - FIRE AND EXPLOSION HAZARD

Flash Point: 120 F / T.C.C.
Flammable Limits: ISOPROPYL ALCOHOL LEL: 2.0 UEL:12.7

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.

Unusual Fire and Explosion Hazards:
NONE KNOWN.

Aerosol Level (NFPA 30B): N/A
NFPA 704 Hazard Rating:
(0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme)
Health: 1 Flammability: 2 Instability: 0 Special:

SECTION V - HEALTH HAZARD DATA

Threshold Limit Value:
400 PPM FOR ISOPROPYL ALCOHOL 1.

Effects of Overexposure:
-Acute(Short Term Exposure)
EYE CONTACT: CAUSES SEVERE IRRITATION SEEN AS TEARING, REDNESS, AND A BURNING SENSATION. SKIN CONTACT: MAY CAUSE IRRITATION SEEN AS ITCHING AND REDNESS.WHILE AN IN- GREDIENT CAN BE ABSORBED THROUGH THE SKIN, NO HARMFUL EFFECTS ARE EXPECTED. INHALATION: CAUSES RESPIRATORY IRRITATION SEEN AS COUGHING AND SNEEZING. MAY CAUSE HEADACHE, DIZZINESS AND NAUSEA IF EXTEMELY LARGE AMOUNTS ARE INHALED. INGESTION: MAY CAUSE IRRITATION WITH POSSIBLE NAUSEA, VOMITING AND DIARR- HEA.

-Chronic (Long Term Exposure)
NO HUMAN CHRONIC EFFECTS KNOWN. TARGET ORGANS: CENTRAL NERVOUS SYSTEM AND LIVER. MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE ARE PRE-EXISTING RESPIRATORY, SKIN, AND EYE CONDITIONS SUCH AS ASTHMA, EMPHYSEMA, AND DERMATITIS.

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:
IMMEDIATELY RINSE THE EYES WITH WATER. REMOVE ANY CONTACT LENSES AND CONTINUE FLUSHING FOR AT LEAST 15 MINUTES. HOLD THE EYELIDS APART TO ENSURE RINSING OF THE ENTIRE SURFACE OF THE EYES AND LIDS WITH WATER. GET IMMEDIATE MEDICAL ATTENTION.

-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. 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: No NTP: No OSHA: No
ACGIH: No OTHER: No

ISOPROPYL ALCOHOL
ORL-RAT LD50: 5045 MG/KG 3.
SKN-RBT: 500 MG MLD 3.
EYE-RBT: 100 MG SEV 3.
IHL-RAT LC50: 16000 PPM/8H 3.
ORL-HMN LDLo: 3570 MG/KG 3.
ISOPROPYL ALCOHOL HAS BEEN SHOWN TO CAUSE HARM TO THE FETUS IN LABORATORY ANIMAL STUDIES. HARM TO THE FETUS OCCURS ONLY AT EXPOSURE LEVELS THAT HARM THE PREGNANT ANIMAL. THE RELEVANCE TO THESE FINDINGS TO HUMANS IS UNCERTAIN. OVEREXPOSURE TO THIS MATERIAL HAS APPARENTLY BEEN FOUND TO CAUSE THE FOLLOWING EFFECTS IN LABORATORY ANIMALS: MILD, REVERSIBLE LIVER EFFECTS. 4.
ETHOXYLATED DECYL ALCOHOL
ORL-RAT LD50: 1400 MG/KG 3.
SKN-RBT: NON-IRRITANT 3.
EYE-RBT: SEVERE IRRITANT 3.
SKN-RBT LD50: > 5000 MG/KG 3.
SKN-RAT LDLo: 1950 MG/KG/13W-I 4.

SECTION VII - REACTIVITY DATA

Stability: Stable: X Unstable:

Conditions to Avoid: AVOID HEAT, HOT SURFACES, SPARKS AND OPEN FLAMES.
Incompatibility (Materials to Avoid):
STRONG OXIDIZERS SUCH AS CHLORINE BLEACH, ACIDS, BASES, CHLORINATED COMPOUNDS, AMINES, ALKANOLAMINES, AND ALDEHYDES.

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:

ELIMINATE ALL SOURCES OF IGNITION. DIKE AND CONTAIN SPILL IF SAFE TO DO SO. USE ONLY NON-SPARKING EQUIPMENT. ABSORB WITH AN INERT MATERIAL AND TRANSFER INTO A PROPERLY LABELED CONTAINER FOR DISPOSAL. WEAR APPROPRIATE PROTECTIVE CLOTHING.

Waste Disposal Method(s):
DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS.

Neutralizing Agent:
NONE KNOWN.

SECTION IX - SPECIAL PROTECTION INFORMATION

Required Ventilation:
LOCAL VENTILATION IS RECOMMENDED TO CONTROL EXPOSURE FROM OPERATIONS THAT CAN GENERATE MISTS OR VAPORS.

Respiratory Protection:
A NIOSH/MSHA APPROVED RESPIRATOR IN POORLY VENTILATED AREAS AND/OR FOR EXPOSURE ABOVE THE ACGIH TLV OR OSHA PEL OR WHERE MISTING EXISTS.

Glove Protection:
NEOPRENE RUBBER OR NITRILE GLOVES IF REPEATED OR PROLONGED SKIN CONTACT IS LIKELY.

Eye Protection:
CHEMICAL GOGGLES SHOULD BE WORN.

Other Protection:
WEAR PROTECTIVE CLOTHING WHEN HANDLING.

SECTION X - STORAGE AND HANDLING INFORMATION

Storage Temperature: Indoors: X Outdoors:
Heated: Refrigerated:

Minimum Temperature: 35 F Maximum Temperature: 100 F

Precautions to be taken in Handling and Storing:
USE WITH CAUTION AROUND HEAT, SPARKS, PILOT LIGHTS, STATIC ELECTRICITY AND OPEN FLAME. ALWAYS STORE MATERIAL IN ITS ORIGINAL CONTAINER. 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

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.

SECTION XII - REFERENCES

1. THRESHOLD LIMIT VALUES FOR CHEMICAL SUBSTANCES AND PHYSICAL AGENTS AND BIOLOGICAL EXPOSURE INDICES, ACGIH, 1998.
2. OSHA PEL.
3. REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES, CCINFODisc, 1998.
4. VENDOR'S MSDS.

ALL COMPONENTS IN THIS PRODUCT CAN BE FOUND IN THE CURRENT TSCA INVENTORY.

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 CLOSEDCUP, 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, ACHGIH:AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS, TLV:THRESHOLD LIMIT VALUE, PEL:PERMISSIBLE EXPOSURE LEVEL, STEL:SHORT-TERM EXPOSURE LIMIT, MLD:MILD, MOD:MODERATE, SEV:SEVERE, MUT:MUTAGENIC, ASPHYX:ASPHYXIANT, PNOC: PARTICULATES NOT OTHERWISE CLASSIFIED

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