MATERIAL SAFETY DATA SHEET: WIPE OUT  PAGE : 01

(00000-9999 -A0888888-0309 ) DATE OF ISSUE SUPERSEDES
03/26/92 03/16/92

SECTION I - GENERAL INFORMATION

CHEMICAL NAME & SYNONYMS WIPE OUT
N/A
CHEMICAL FAMILY FORMULA
SOLVENT MIXTURE X<--MIXTURE

MANUFACTURER'S NAME
CHEMSEARCH DIV. OF NCH CORP.

ADDRESS (NUMBER, STREET, CITY, STATE & ZIP CODE)
BOX 152130
IRVING, TEXAS 75015

PREPARED BY: R STOLLEY/CHEMIST
PRODUCT CODE NUMBER 0309 214-438-1981

SECTION II - HAZARDOUS INGREDIENTS

THE HAZARDS PRESENTED BELOW ARE THOSE OF THE INDIVIDUAL COMPONENTS.

CHEMICAL NAME (INGREDIENTS):
ETHYLENE GLYCOLMONOBUTYL ETHER

CHEMICAL NAME (INGREDIENTS):
1-METHOXY-2-PROPANGLACETATE
STEL(TWA)--> NOT EST TLV--> N/E 1. CAS#-->108-65-6 PEL--> N/E 2.

CHEMICAL NAME (INGREDIENTS):
DIPENTENE
Hazard: --> IRRITANT STEL(TWA)--> NOT EST TLV--> N/E 1. CAS#-->198-86-3 PEL--> N/E 2.

CHEMICAL NAME (INGREDIENTS):
DIMETHYL GLUCARATE
Hazard: --> IRRITANT STEL(TWA)--> NOT EST TLV--> N/E 1. CAS#-->110-40-0 PEL--> N/E 2.

CHEMICAL NAME (INGREDIENTS):
COCCODIME
Hazard: --> IRRITANT STEL(TWA)--> NOT EST TLV--> N/E 1. CAS#-->61790-63-4 PEL--> N/E 2.

CHEMICAL NAME (INGREDIENTS):
MONETHANOLAMINE
Hazard: --> IRRITANT STEL(TWA)--> NOT EST TLV--> 9PPM 1. CAS#-->141-43-5 PEL--> 3PPM 2.

CHEMICAL NAME (INGREDIENTS):
POTASSIUM HYDROXIDE
Hazard: --> CORROSIVE STEL(TWA)--> N/E 1. CAS#-->1310-58-3 PEL--> 2MG/M3 2.

CHEMICAL NAME (INGREDIENTS):
PETROLEUM NAPHTHA
Hazard: -->COMBUST. STEL(TWA)--> NOT EST TLV--> 300PPM 1. CAS#-->84742-94-5 PEL--> 300PPM 2.

(CONTINUED)

SECTION II - HAZARDOUS INGREDIENTS  PAGE : 02

CHEMICAL NAME (INGREDIENTS):

BOILING PT. (FAHRENHEIT) 330 F SPEC GRAVITY (H2O=1) .946
VAPOR PRESSURE (MM HG) <.01 COLOR AMBER
VAPOR DENSITY (AIR=1) GREATER ODOR ETHER
PH @ 100% N/A CLARITY TRANSPARENT
PERCENT VOLATILE 100 EVAPORATION RATE [0.1 (BU AC = 1 )]
BY VOLUME (%) % SOLUBILITY IN WATER APPRECIABLE
VISCOITY NON-VISCUS

SECTION III - PHYSICAL DATA

SECTION IV - FIRE AND EXPLOSION HAZARD

FLASH POINT (MM HG) N/E FLAMMABLE LIMITS N/E
ULTR 112F TCC N/E NOT EST FOR MIXTURE N/E
N/E
EXTINGUISHING MEDIA "ALCOHOL" DRY WATER
SPECIAL FIRE FIGHTING PROCEDURES AS WITH ALL FIRES. WEAR APPROPRIATE GEAR INCLUDING SELF-CONTAINED BREATHING APPARATUS.

Wipe Out
UNUSUAL FIRE & EXPLOSION HAZARDS
HEAT FROM FIRE MAY GENERATE FLAMMABLE VAPORS. VAPORS MAY BURN IF CONFINED. VAPOR MAY TRAVEL ALONG GROUND AFTER IGNITING/FLASHING BACK TO IGNITION SOURCE. FINE MISTS MAY BE COMBUSTIBLE AT TEMPERATURES BELOW FLASH POINT.

NFPA HAZARD RATING (0=INSIGNIFICANT; 1=SLIGHT; 2=MODERATE; 3=HIGH; 4=EXTREME):
--- REACTIVITY: 1 --- FLAMMABILITY: 1 --- SPECIAL

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE:
NOT ESTABLISHED FOR THE MIXTURE. SEE SECTION II.

EFFECTS OF OVEREXPOSURE

EYES: WILL CAUSE EYE IRRITATION AND POSSIBLE BURNS LEADING TO PERMANENT DAMAGE. SKIN: CAUSES SKIN IRRITATION AND DEPATTING OF THE SKIN.

INHALATION: VAPORS ARE IRRITATING INHALATION OF MIST EXTREMELY IRRITATING IF INHALED. MISTED VAPOR CAN CAUSE PERMANENT DAMAGE TO LUNGS.

INGESTION: WILL CAUSE NAUSEA, VOMITING, AND POSSIBLE LOSS OF CONSCIOUSNESS IF QUANTITIES HAVE BEEN INGESTED. EVEN MINUTE QUANTITIES INHALED INTO THE LUNGS VIA INGESTION AND VOMITING CAN CAUSE CHEMICAL PNEUMONITIS WHICH CAN LEAD TO LUNG DAMAGE AND MAY BE FATAL IN SEVERE INSTANCES.

CHRONIC EYE CONTACT CAN LEAD TO PERMANENT DAMAGE.

PROLONGED SKIN CONTACT MAY CAUSE BURNS TO THE SKIN.

PROLONGED SKIN ABSORPTION CAN CAUSE CENTRAL NERVOUS SYSTEM DEPRESSION. REPEATED, PROLONGED AND EXCESSIVE EXPOSURE MAY RESULT IN KIDNEY EFFECTS AS WELL AS EFFECTING BLOOD FORMING ORGANS.

THIS INFORMATION IS BASED ON THE KNOWN EFFECTS OF GLYCOL ETHER COMPOUNDS WHICH ARE THE MAJOR COMPONENT OF THIS MIXTURE.

PREVENTION OF INGESTION:

EMERGENCY & FIRST AID PROCEDURES

INHALATION:
GET TO FRESH AIR AND TREAT SYMPTOMATICALLY. GIVE ARTIFICIAL RESPIRATION IF NEEDED.

EYE CONTACT:
FLUSH EYES WITH WATER FOR 15 MINUTES. HOLDING EYELIDS OPEN, OCCASIONALLY FOR MAXIMUM BENEFIT. SEE A PHYSICIAN AT ONCE.
TREATMENT IS MOST EFFECTIVE WITHIN THE FIRST MINUTE.

SKIN CONTACT:
REMOVE CONTAMINATED CLOTHING. WASH SKIN THOROUGHLY WITH SOAP AND WATER. APPLY AN EMOLIENT RICH CREAM IF IRRITATION PERSISTS. SEE A PHYSICIAN IF IRRITATION PERSISTS.

INGESTION:
IF LARGE QUANTITY IS SWALLOWED, GIVE LUKEWARM WATER IF VICTIM IS COMPLETELY AWAKE. RISK OF LUNG DAMAGE EXCEEDS RISK OF POISONING. SEEK IMMEDIATE MEDICAL ATTENTION.

SECTION VI - TOXICITY INFORMATION

PRODUCT CONTAINS CHEMICAL LISTED AS CARCINogenic OR POTENTIAL CARCINogenic BY:

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ETHYLENE GLYCOL MONOBUTYL ETHER: ORGANIC ABNORMALITIES IN MAN RESULTING FROM OVEREXPOSURE BY ANY ROUTE LIKELY WOULD BE ABNORMAL BLOOD PROTEIN CHANGES, ENTRAPMENT, EPITHELIOID Agranulocytosis, and Leukocytosis. CONTINUED ON SECTION XIII - REFERENCES

SECTION VII - REACTIVITY DATA

STABILITY:

INCOMPATIBILITY (MATERIALS TO AVOID):

STORAGE:

HAZARDOUS DECOMPOSITION PRODUCTS

OXIDES OF CARBON AND NITROGEN. ACID SMOKE

HAZARDOUS:

POLYMERIZATION:

N/A
SECTION VIII - SPILL OR LEAK PROCEDURES

STEPS TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
DO NOT SMOKE, REMOVE OR TURN OFF ANY IGNITION SOURCES. ABSORB SMALL SPILLS WITH A RAG. FOR LARGE SPILLS, PREVENT FROM GETTING INTO SEWER WITH A DISPOSABLE OR OTHER INERT ABSORBANT MATERIAL. ABSORB SPILL WITH AN INERT ABSORBANT AND PLACE IN A SOLVENT RESISTANT DRUM FOR PROPER DISPOSAL.

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

NEUTRALIZING AGENT
N/A

SECTION IX - SPECIAL PROTECTION INFORMATION

REQUIRED VENTILATION
USE ONLY IN AREAS WITH GOOD VENTILATION. IF USE IN SMALL POORLY VENTILATED AREAS USE FANS TO PROVIDE FRESH AIR OR WEAR A NIOSH APPROVED RESPIRATOR DESIGNED FOR ORGANIC SOLVENT VAPORS.

RESPIRATORY PROTECTION
NONE NORMALLY NEEDED. NIOSH APPROVED ORGANIC SOLVENT RATED RESPIRATOR IN ABSENCE OF GOOD VENTILATION.

PROTECTIVE GLOVES
IMPERVIOUS GLOVES SUCH AS POLYVINYL ALCOHOL SHOULD BE WORN.

EYE PROTECTION
CHEMICAL GOGGLES OR FACE SHEILD SHOULD BE WORN.

OTHER PROTECTION
APRON

SECTION X - STORAGE AND HANDLING INFORMATION

STORAGE TEMPERATURE
TOO F < MAX N/2 < MIN N
INDOOR [HEATED REFRIGERATED OUTDOOR

PRECAUTIONS TO BE TAKEN IN HANDLING & STORING
STORE IN TIGHTLY CLOSED, PROPERLY VENTED CONTAINER AWAY FROM HEAT AND SPARKS. HANDLE EMPTY CONTAINER CAREFULLY AS RESIDUE MAY BE COMBUSTIBLE/FLAMMABLE. KEEP AWAY FROM CHILDREN.

SECTION XI - REGULATORY INFORMATION

CHEMICAL NAME: ETHYLENE GLYCOL MONOBUTYL ETHER
C.A.S. NUMBER: 111-76-2


IF UE (USE EXEMPTION) APPEARS UNDER UPPER % LIMIT, END USERS ARE EXEMPT FROM NOTIFICATION BECAUSE THE PRODUCT IS USED AND LABELED FOR ROUTINE JANITORIAL WORK, OR THE PRODUCT IS USED AND LABELED FOR FACILITY GROUNDS MAINTENANCE (SUCH AS FERTILIZERS AND HERBICIDES), OR THE PRODUCT IS USED AND LABELED FOR MAINTAINING MOTOR VEHICLES.

WARNING: THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE (1) CANCER OR (2) BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM:

SECTION XII - TRANSPORTATION + (FOR FUTURE USE)

APPLICABLE REGULATIONS: 49 CFR <--TARIFF 6 D <--IATA <--MILITARY AIR (AFR 71-4)
SHIPPING NAME
HAZARD CLASS
LABELS
UNIT CONTAINER
DOT# SPILLS CONTAINER
AEROSOL PROPELLANT(S)
2. OSHA FLUOROCARBONS.
4. Vendor's Warnings.

Continued from Section V Systemic: Rat Studies Suggest the Kidney May be the Target Organ with Overexposure. Human Effects Not Established. No Specific Antidote. Treatment Based on the Sound Judgment of the Physician and the Individual Reactions of the Patient.

**Short Term Exposure Limit (TWA) Listed as Final Rule Limits Published in the Federal Register/Vol. 54 No. 12, 1-19-89**

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