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SECTION I - GENERAL INFORMATION

CHEMICAL NAME & SYNONYMS N/A TRADE NAME & SYNONYMS WIPE OUT
 CHEMICAL FAMILY SOLVENT MIXTURE FORMULA X<--MIXTURE
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SECTION II- HAZARDOUS INGREDIENTS

THE HAZARDS PRESENTED BELOW ARE THOSE OF THE INDIVIDUAL COMPONENTS.

CHEMICAL NAME (INGREDIENTS) : ETHYLENE GLYCOLMONDBUTYL ETHER
 HAZARD-->IRRITANT TLV--->25 PPM. 1. PEL-->25 PPM. 2
 STEL(TWA)* ->NA CAS#-->111-76-2
 CHEMICAL NAME (INGREDIENTS) : 1-METHOXY-2-PROPANOLACETATE
 HAZARD-->IRRITANT TLV--->N/E 1. PEL-->N/E 2.
 STEL(TWA)* ->NOT EST CAS#-->108-65-6
 CHEMICAL NAME (INGREDIENTS) : DIPENTENE
 HAZARD-->IRRITANT TLV--->N/E 1. PEL-->N/E 2.
 STEL(TWA)* ->NOT EST CAS#-->138-86-3
 CHEMICAL NAME (INGREDIENTS) : DIMETHYL GLUTERATE
 HAZARD-->IRRITANT TLV--->N/E 1. PEL-->N/E 2.
 STEL(TWA)* ->NOT EST CAS#-->1119-40-0

WIPE OUT

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CHEMICAL NAME (INGREDIENTS) : COCOAMIDE
 HAZARD-->IRRITANT TLV--->N/E 1. PEL-->N/E 2.
 STEL(TWA)* ->NOT EST CAS#-->61790-63-4
 CHEMICAL NAME (INGREDIENTS) : MONDETHANOLAMINE
 HAZARD-->IRRITANT TLV--->3PPM 1. PEL-->3PPM 2.
 STEL(TWA)* ->NOT EST CAS#-->141-43-5
 CHEMICAL NAME (INGREDIENTS) : POTASSIUM HYDROXIDE
 HAZARD-->CORROSIVE TLV--->2MG/M3 1. PEL-->2MG/M3 2.
 STEL(TWA)* ->NA CAS#-->1310-58-3
 CHEMICAL NAME (INGREDIENTS) : PETROLEUM NAPHTHA
 HAZARD-->COMBUST. TLV--->300PPM 1. PEL-->300PPM 2.
 STEL(TWA)* ->NOT EST CAS#-->64742-94-5

SECTION III - PHYSICAL DATA

BOILING PT. (FAHRENHEIT) 330 F SPEC GRAVITY (H2O=1) 0.946
 VAPOR PRESSURE (MM HG) <0.1 COLOR AMBER
 VAPOR DENSITY (AIR=1) GREATER ODDOR ETHEREAL
 PH @ 100% N/A CLARITY TRANSPARENT
 PERCENT VOLATILE BY VOLUME (%) 100 EVAPORATION RATE (BU AC = 1) 0.1
 SOLUBILITY IN WATER APPRECIABLE
 VISCOSITY NON-VISCOUS

SECTION IV - FIRE AND EXPLOSION HAZARD

FLASH POINT (METHOD USED) 112F TCC FLAMMABLE LIMITS NOT EST FOR MIXTURE LEL N/E UEL N/E
 EXTINGUISHING MEDIA "ALCOHOL" X<--FOAM X<--CD2 X<--CHEMICAL DRY WATER <--OTHER
 SPECIAL FIRE FIGHTING PROCEDURES SPRAY

AS WITH ALL FIRES, WEAR APPROPRIATE GEAR INCLUDING SELF-CONTAINED BREATHING APPARATUS.

UNUSUAL FIRE & EXPLOSION HAZARDS
HEAT FROM FIRE MAY GENERATE FLAMMABLE VAPOUR. VAPORS MAY BURN IF CONFINED.
VAPOR MAY TRAVEL ALONG GROUND BEFORE 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):
2 <--HEALTH 2 <--FLAMMABILITY 1 <--REACTIVITY <--SPECIAL

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE :

NOT ESTABLISHED FOR THE MIXTURE. SEE SECTION II.

EFFECTS OF OVEREXPOSURE

- ACUTE - (SHORT TERM EXPOSURE)
EYES: WILL CAUSE EYE IRRITATION AND POSSIBLE BURNS LEADING TO PERMANENT
DAMAGE SKIN: CAUSES SKIN IRRITATION AND DEFATTING OF THE SKIN.
INHALATION: VAPORS ARE IRRITATING. INHALATION OF MIST EXTREMELY IRRITATING
WITH POSSIBLE PERMANENT DAMAGE TO LUNGS.
INGESTION: WILL CAUSE NAUSEA, VOMITING, AND POSSIBLE LOSS OF CONSCIOUSNESS
IF LARGE QUANTITIES HAVE BEEN INGESTED. EVEN MINUTE QUANTITIES ASPIRATED
INTO THE LUNGS VIA INGESTION AND VOMITING CAN CAUSE CHEMICAL PNEUMONITIS
WHICH CAN CAUSE LUNG DAMAGE AND MAY BE FATAL IN SEVERE INSTANCES.
- CHRONIC - (LONG TERM EXPOSURE)
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 AFFECTING BLOOD FORMING ORGANS.
THIS INFORMATION IS BASED ON THE KNOWN EFFECTS OF GLYCOL
ETHER COMPOUNDS WHICH ARE THE MAJOR COMPONENT OF THIS MIXTURE.

PRIMARY ROUTE OF ENTRY: X<-- INHALATION <-- INGESTION X<-- ABSORPTION

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 EMOLLIENT RICH CREAM IF
IRRITATION OCCURS. SEE A PHYSICIAN IF IRRITATION PERSISTS.

INGESTION :
IF LARGE QUANTITY IS SWALLOWED, GIVE LUKEWARM WATER IF VICTIM IS COMPLETELY
CONSCIOUS. DO NOT INDUCE VOMITING. RISK OF LUNG DAMAGE EXCEEDS RISK
OF POISONING. SEEK IMMEDIATE MEDICAL ATTENTION.

WIPE OUT

NOTES TO PHYSICIAN :
ETHYLENE GLYCOL MONOBUTYL ETHER: ORGANIC ABNORMALITIES IN MAN RESULTING FROM
OVEREXPOSURE BY ANY ROUTE LIKELY WOULD BE ABNORMAL BLOOD PICTURE CHARAC-
TERIZED BY ERYTHROPENIA, RETICULOCYTOSIS, GRANULOCYTOSIS AND LEUKOCYTOSIS.
CONTINUED ON SECTION XIII- REFERENCES

SECTION VI - TOXICITY INFORMATION

PRODUCT CONTAINS CHEMICAL LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN BY:

IARC	<--YES	NTP	<--YES	OSHA	<--YES	ACGIH	<--YES	OTHER	<--YES
X<--NO	X<--NO	X<--NO	X<--NO	X<--NO	X<--NO	X<--NO	X<--NO	X<--NO	X<--NO

ETHYLENE GLYCOL MONOBUTYL ETHER	POTASSIUM HYDROXIDE
ORL RAT LD50 400 MG/KG 3.	SKN HMN 50MG/KG SEV 3
INH RAT LCLD 500 PPM/4HR. 3.	ORL RAT LD50 365MG/KG 3.
1 METHYL 2 PROPANOL ACETATE	PETROLEUM NAPHTHA
INH HMN TCLD 27 GM/M3 3.	ORL RAT LD50 >5 G/KG 4.
ORL HMN TDLD 670 MG/KG 3.	
DIPENTENE	
ORL RAT LD50 5000 MG/KG 3.	
SKN RBT 500 MG 24 HR MOD 3.	
DIMETHYL GLUTERATE	
ORL RAT LD50 8100 MG/KG 3.	
SKN RBT LD50 2250 MG/KG 3.	
COCOAMIDE	
NO EXPOSURE ANIMAL STUDIES FOUND	
MONOETHANOLAMINE	
ORL RAT LD50 2140 MG/KG 3.	
SKN RBT LD50 1000 MG/KG 3.	

SECTION VII - REACTIVITY DATA

STABILITY	X<--STABLE	<--UNSTABL	CONDITIONS TO AVOID
			HEAT, SPARKS, OPEN FLAME, STRONG OXIDIZING CONDITIONS.

INCOMPATIBILITY (MATERIALS TO AVOID)
STRONG OXIDIZING AGENTS, EXTENDED EXPOSURE TO AIR OR OXYGEN.

HAZARDOUS DECOMPOSITION PRODUCTS
OXIDES OF CARBON AND NITROGEN, ACRID SMOKE

HAZARDOUS	WILL NOT	MAY	CONDITIONS TO AVOID
	<--OCCUR	<--OCCUR	
POLYMERIZATION	N/A		

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
 DIKE OF SAND OR OTHER INERT ADSORBANT 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
 IMPERVIUS 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	INDOOR	HEATED	REFRIGERATED	OUTDOOR
100 F <--MAX N/A <--MIN	X			

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.

WIPE OUT

(CONTINUED) SECTION X - STORAGE AND HANDLING INFORMATION PAGE : 06

OTHER PRECAUTIONS
 N/A

SECTION XI - REGULATORY INFORMATION

CHEMICAL NAME	C. A. S. NUMBER	UPPER % LIMIT
ETHYLENE GLYCOL MONOBUTYL ETHE	111-76-2	40

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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.

IF USE (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.

CALIFORNIA PROPOSITION 65
 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:
 NONE

SECTION XII - TRANSPORTATION * (FOR FUTURE USE)

APPLICABLE REGULATIONS	<--TARIFF 6 D	<--IATA	<--MILITARY AIR (AFR 71-4)
<--49 CFR <--IMCO			

SHIPPING NAME

HAZARD CLASS	ID NUMBER	REPORT QTY

LABELS	LIMITED QTY

UNIT CONTAINER

DOT SPS CONTAINER	NET EXPLOSIVE WT.

AEROSOL PROPELLANT(S)

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1. THRESHOLD LIMIT VALUES FOR CHEMICAL SUBSTANCES AND PHYSICAL AGENTS AND BIOLOGICAL EXPOSURE INDICES, ACGIH, 1991-1992.
 2. OSHA PEL
 3. DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS, 7TH EDITION, N. IRVING SAX AND RICHARD J. LEWIS, SR.
 4. VENDOR'S MSDS
- 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.
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*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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