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SUPERSEDES
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SECTION I - GENERAL INFORMATION

CHEMICAL NAME & SYNONYMS
N/A

TRADE NAME & SYNONYMS
GLO SS PLUS AEROSOL

MAR 14 1995

CHEMICAL FAMILY
PETROLEUM MIXTURE

FORMULA
X<--MIXTURE

MANUFACTURERS NAME:
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PREPARED BY:
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PRODUCT CODE NUMBER
5624

EMERGENCY TELEPHONE NUMBER
214-438-1381

SECTION II- HAZARDOUS INGREDIENTS

THE HAZARDS PRESENTED BELOW ARE THOSE OF THE INDIVIDUAL COMPONENTS.

CHEMICAL NAME (INGREDIENTS) :

d-LIMONENE

HAZARD-->>COMB/IRR.	TLV--->NOT EST. 1	PEL-->NOT EST. 2
STEL(TWA)* ->NOT EST.	CAS#-->5989-27-5	

CHEMICAL NAME (INGREDIENTS) :

HYDROTREATED HEAVY NAPHTHA

HAZARD-->>FLAMM/IRR	TLV--->400 PPM 1	PEL-->NOT EST. 2
STEL(TWA)* ->NOT EST.	CAS#-->64742-48-9	

CHEMICAL NAME (INGREDIENTS) :

WHITE MINERAL OIL

HAZARD-->>OIL MIST	TLV--->5 MG/M3 1	PEL-->5 MG/M3 2
STEL(TWA)* ->10 MG/M3	CAS#-->8042-47-5	

CHEMICAL NAME (INGREDIENTS) :

PROPANE

HAZARD-->>FLAM/ASPHX	TLV--->NOT EST. 1	PEL-->1000 PPM 2
STEL(TWA)* ->NOT EST.	CAS#-->74-98-6	

GLO SS PLUS AEROSOL

(CONTINUED)

SECTION II- HAZARDOUS INGREDIENTS

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CHEMICAL NAME (INGREDIENTS) :

ISOBUTANE

HAZARD-->>FLAMM/IRR	TLV--->NOT EST. 1	PEL-->NOT EST. 2
STEL(TWA)* ->NOT EST.	CAS#-->72-28-5	

CHEMICAL NAME (INGREDIENTS) :

N-BUTANE

HAZARD-->>FLAMMABLE	TLV--->800 PPM 1	PEL-->800 PPM 2
STEL(TWA)* ->NOT EST.	CAS#-->106-97-8	

SECTION III - PHYSICAL DATA

BOILING PT. (FAHRENHEIT)	244	SPEC GRAVITY (H2O=1)	:0.784
VAPOR PRESSURE (MM HG)	36	COLOR	LIGHT YELLOW
VAPOR DENSITY (AIR=1)	3.9	ODOR	ORANGE
PH @ 100%	N/A	CLARITY	CLEAR
PERCENT VOLATILE BY VOLUME (%)	50	EVAPORATION RATE (BU AC = 1)	<1.0
SOLUBILITY IN WATER	INSOLUBLE		
VISCOSITY	NON-VISCOUS		

SECTION IV - FIRE AND EXPLOSION HAZARD

FLASH POINT (METHOD USED) 57:F SETA	FLAMMABLE LIMITS HYDROTREATED NAPHTHA	LEL 0.9%	UEL 7.0%
EXTINGUISHING MEDIA X<--FOAM	"ALCOHOL" X<--CO2	DRY X<--CHEMICAL	WATER X<--SPRAY
			X<--OTHER

SPECIAL FIRE FIGHTING PROCEDURES
WEAR SELF CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR. WATER SPRAY MAY BE USED TO COOL FIRE EXPOSED CONTAINERS.

UNUSUAL FIRE & EXPLOSION HAZARDS
VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL TO AREAS DISTANT FROM THE HANDLING POINT WHERE THEY MAY IGNITE OR EXPLODE AROUND IGNITION SOURCES.
FLAME EXTINCTION:>30 INCHES. BURNBACK: 6 INCHES.

LEVEL 3 AEROSOL (NFPA 30B)

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

SECTION V - HEALTH HAZARD DATA

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

EFFECTS OF OVEREXPOSURE

- ACUTE - (SHORT TERM EXPOSURE)
 <>EYES: MAY CAUSE SEVERE IRRITATION, TEARING, REDNESS AND BLURRED VISION. <>
 ~SKIN: PROLONGED OR REPEATED CONTACT CAN CAUSE IRRITATION, DERMATITIS AND
 POSSIBLE AN ALLERGIC REACTION. ~
 INHALATION: EXCESSIVE INHALATION OF VAPORS OR MIST CAN CAUSE IRRITATION OF
 THE RESPIRATORY TRACT WITH POSSIBLE NAUSEA, DIZZINESS, VOMITING,
 DROWSINESS, CENTRAL NERVOUS SYSTEM EFFECTS, ALLERGIC REACTION AND
 POSSIBLE UNCONSCIOUSNESS.
 ^INGESTION: MAY CAUSE GASTROINTESTINAL IRRITATION WITH NAUSEA, VOMITING AND
 DIARRHEA.
 ASPIRATION HAZARD: INGESTION AND SUBSEQUENT VOMITING OF THIS PRODUCT CAN
 LEAD TO ASPIRATION OF THE PRODUCT INTO THE LUNGS, WHICH CAN CAUSE DAMAGE
 AND COULD BE FATAL. ^

- CHRONIC - (LONG TERM EXPOSURE)
 NO DATA AVAILABLE FOR CHRONIC HEALTH HAZARDS.

TARGET ORGANS: NONE KNOWN.
 ON RARE OCCASIONS, PROLONGED AND REPEATED EXPOSURE TO OIL MIST POSES A
 PULMONARY DISEASE SUCH AS CHRONIC LUNG INFLAMMATION. THIS CONDITION IS
 USUALLY ASYMPTOMATIC AS A RESULT OF REPEATED SMALL ASPIRATIONS. SHORTNESS
 OF BREATH AND COUGHING ARE THE MOST COMMON SYMPTOMS. ADDITIONALLY, DERMAL
 OR SKIN SENSITIZATION IS POSSIBLE IN PERSONS WHO ARE SENSITIVE TO ORANGE
 OIL WHICH CAN LEAD TO AN ACUTE DERMAL OR RESPIRATORY ALLERGIC REACTION.

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

EMERGENCY & 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 THE EYES 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 AREA WITH SOAP AND WATER FOR SEVERAL MINUTES. REMOVE AND
 CLEAN CONTAMINATED CLOTHING AND SHOES. SEEK MEDICAL ATTENTION IF
 IRRITATION DEVELOPS.

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INGESTION:
 GIVE 3 TO 4 GLASSES OF WATER, BUT DO NOT INDUCE VOMITING. IF VOMITING
 OCCURS GIVE FLUIDS AGAIN. GET IMMEDIATE MEDICAL ATTENTION.

NOTES TO PHYSICIAN:
 ASPIRATION HAZARD: INGESTION AND SUBSEQUENT VOMITING OF THIS PRODUCT CAN
 LEAD TO ASPIRATION OF THE PRODUCT INTO THE LUNGS WHICH CAN CAUSE DAMAGE AND
 COULD BE FATAL.

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

d-LIMONENE

ORL-RAT LD50: 4400 MG/KG 3.
 ORL-MUS LD50: 5600 MG/KG 3.
 d-LIMONENE HAS EXHIBITED REPRODUCTIVE, TERATOGENIC, LIVER AND REPRODUCTIVE
 EFFECTS VIA REPEATED DOSING OF LABORATORY ANIMALS IN SOME STUDIES. 3.

HYDROTREATED HEAVY NAPHTHA
 LABORATORY ANIMAL STUDIES HAVE SHOWN THAT PROLONGED AND REPEATED
 INHALATION EXPOSURE TO LIGHT HYDROCARBON VAPOR IN THE SAME NAPHTHA BOILING
 RANGE AS THIS PRODUCT CAN PRODUCE ADVERSE LIVER EFFECTS IN MALE RATS
 HOWEVER, THESE EFFECTS WERE NOT OBSERVED IN SIMILAR STUDIES WITH FEMALE
 RATS AND MALE AND FEMALE MICE AND IN LIMITED STUDIES WITH OTHER ANIMAL
 SPECIES. ALSO, IN A NUMBER OF HUMAN STUDIES, THERE WAS NO CLINICAL
 EVIDENCE OF SUCH EFFECTS AT NORMAL OCCUPATIONAL LEVELS. IT IS THEREFORE
 HIGHLY UNLIKELY THAT THE KIDNEY EFFECTS OBSERVED IN MALE RATS HAVE
 SIGNIFICANT IMPLICATIONS FOR HUMANS IN THE WORKPLACE EXPOSED AT OR BELOW
 RECOMMENDED TLV'S.

SKN-RBT LD50: >3.16 G/KG	3.	PROPANE	NO DATA AVAILABLE
ORL-RAT LD50: >5 G/KG	3.	BUTANE	NO DATA AVAILABLE
IHL-MUS LC50: 680 G/M3/2H	3.	ISOBUTANE	NO DATA AVAILABLE
IHL-RAT LC50: 658 G/M3/4H	3.	WHITE MINERAL OIL	NO DATA AVAILABLE

SECTION VII - REACTIVITY DATA

STABILITY	X<--STABLE	<--UNSTABL	CONDITIONS TO AVOID
			HEAT, HOT SURFACES, SPARKS OR OPEN FLAME.

INCOMPATIBILITY (MATERIALS TO AVOID)
 AVOID STRONG OXIDIZERS SUCH AS CHLORINE, CONCENTRATED OXYGEN OR
 BLEACH.

HAZARDOUS DECOMPOSITION PRODUCTS
OXIDES OF CARBON, ACRID SMOKE AND FUMES AND ALDEHYDES.

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

SECTION VIII - SPILL OR LEAK PROCEDURES

STEPS TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
REMOVE IGNITION SOURCES. DUE TO THE NATURE OF THE AEROSOL PACKAGING OF
THIS PRODUCT, A LARGE SPILL IS UNLIKELY. STOP LEAK AND ABSORB SPILLED
MATERIAL WITH AN INERT ABSORBANT MATERIAL AND PLACE INTO LABELED CONTAINERS
FOR PROPER DISPOSAL.

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

NEUTRALIZING AGENT
N/A

SECTION IX - SPECIAL PROTECTION INFORMATION

REQUIRED VENTILATION
LOCAL EXHAUST IS RECOMMENDED.

RESPIRATORY PROTECTION
NONE NORMALLY REQUIRED WITH ADEQUATE VENTILATION. USE A NIOSH APPROVED
RESPIRATOR WHEN WORKING IN CONFINED OR POORLY VENTILATED AREAS.

PROTECTIVE GLOVES
RUBBER GLOVES IF REPEATED OR PROLONGED CONTACT IS
LIKELY.

EYE PROTECTION
SAFETY GLASSES OR GOGGLES SHOULD BE WORN IF EYE
CONTACT IS LIKELY.

OTHER PROTECTION
EYE WASH AND SAFETY SHOWER.

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SECTION X - STORAGE AND HANDLING INFORMATION PAGE : 06

STORAGE TEMPERATURE	INDOOR	HEATED	REFRIGERATED	OUTDOOR
120:F <--MAX O:F <--MIN	X			X

PRECAUTIONS TO BE TAKEN IN HANDLING & STORING
KEEP AWAY FROM HEAT, HOT SURFACES, SPARKS OR OPEN
FLAME.

OTHER PRECAUTIONS
READ THE ENTIRE LABEL BEFORE USING THIS PRODUCT.
KEEP OUT OF REACH OF CHILDREN.

SECTION XI - REGULATORY INFORMATION

CHEMICAL NAME	C.A.S. NUMBER	UPPER % LIMIT
N/A		

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 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.

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:
BENZENE (1) AS A TRACE CONTAMINANT.

SECTION XII - TRANSPORTATION * (FOR FUTURE USE)

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

SHIPPING NAME

HAZARD CLASS	ID NUMBER	REPORT QTY

LABELS	LIMITED QTY

UNIT CONTAINER

DOT SPS CONTAINER

NET EXPLOSIVE WT.

AEROSOL PROPELLANT(S)

SECTION XIII - REFERENCES

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

*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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