

MATERIAL SAFETY DATA SHEET: DIESEL-MATE PAGE : 1
 (000000-000000- -0691) DATE OF ISSUE 06/16/93 SUPERSEDES / /

SECTION I - GENERAL INFORMATION

CHEMICAL NAME & SYNONYMS N/A	TRADE NAME & SYNONYMS DIESEL-MATE
CHEMICAL FAMILY : SOLVENT MIXTURE	FORMULA X <- MIXTURE
MANUFACTURE'S NAME: CERTIFIED LABS, DIV. OF NCH CORP.	
ADDRESS (NUMBER, STREET, CITY, STATE & ZIP CODE) BOX 152170 IRVING, TEXAS 75015	
PREPARED BY: B SANFORD/CHEMIST	PRODUCT CODE NUMBER 0691
EMERGENCY TELEPHONE NUMBER 972-438-1381	

SECTION II - HAZARDOUS INGREDIENTS

THE HAZARDS PRESENTED BELOW ARE THOSE OF THE INDIVIDUAL COMPONENTS

CHEMICAL NAME (INGREDIENTS) :			
KEROSENE	HAZARD---->COMB/* STEL(TWA)*->10 MG/M3 1	TLV--->5 MG/M3 1 CAS#-->8008-20-6	PEL--->5 MG/M3 2
2-ETHYLHEXYL NITRATE	HAZARD---->COMB/** STEL(TWA)*->NOT EST.	TLV--->NOT EST. 1 CAS#-->27247-96-7	PEL--->NOT EST. 2
HEAVY AROMATIC NAPHTHA	HAZARD---->COMB/IRR STEL(TWA)*->10 MG/M3 1	TLV--->5 MG/M3 1 CAS#-->84742-06-9	PEL--->5 MG/M3 2
PETROLEUM DISTILLATE	HAZARD---->COMB/* STEL(TWA)*->10 MG/M3 1	TLV--->5 MG/M3 1 CAS#-->68477-31-6	PEL--->5 MG/M3 2
HYDROXYETHYLATED AMINOETHYLAMIDE	HAZARD---->IRRITANT STEL(TWA)*->NOT EST.	TLV--->NOT EST. 1 CAS#-->68412-09-9	PEL--->NOT EST. 2

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(CONTINUED) - SECTION II - HAZARDOUS INGREDIENTS

POLYOLEFIN CARBOXYLIC ACID	HAZARD---->IRRITANT STEL(TWA)*->NOT EST. 1	TLV--->NOT EST. 1 CAS#-->68610-89-9	PEL--->NOT EST. 2
OIL MIST HAZARD	HAZARD----> STEL(TWA)->	TLV---> CAS#-->	PEL--->
**CENTRAL NERVOUS SYSTEM DEPRESSANT	HAZARD----> STEL(TWA)*->	TLV---> CAS#-->	PEL--->

SECTION IIIA - NON-HAZARDOUS INGREDIENTS

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

SECRET REGISTRY # 409363 -507P

SECTION III - PHYSICAL DATA

BOILING PT. (F)	320	SPEC. GRAVITY (H2O=1)	0.9334
VAPOR PR. (MM HG)	5.0	COLOR	RED
VAPOR DENSITY	4.7	ODOR	OCTYL NITRATE
PH. @ 100%	N/A	CLARITY	OPAQUE
% VOLATILE BY VOL	100	EVAPORATION RATE (BU A/C = 1)	0.04
H2O SOLUBILITY	INSOLUBLE		
VISCOSITY	3.5 CST @40		

SECTION IV - FIRE AND EXPLOSION HAZARD

FLASH POINT: 145°F. T.C.C. FLAMMABLE LIMITS .7 LEL 7.0 UEL
 KEROSENE

EXTINGUISHING MEDIA "ALCOHOL" DRY WATER
 X <--FOAM <--FOAM X <--CO2 X <--CHEMICAL <--SPRAY <--OTHER

SPECIAL FIRE FIGHTING PROCEDURES
 WEAR SELF CONTAINED BREATHING APPARATUS WHEN FIGHTING CHEMICAL FIRES. WATER MAY BE USED TO COOL EXPOSED CONTAINERS. WATER MAY CAUSE SPLATTERING. MATERIAL MAY FLOAT ON WATER.

UNUSUAL FIRE AND EXPLOSION HAZARDS
 VAPORS ARE HEAVIER THAN AIR AND MAY ACCUMULATE IN LOW AREAS OR AREAS INADEQUATELY VENTILATED. VAPORS MAY ALSO TRAVEL ALONG THE GROUND TO BE IGNITED AT LOCATIONS DISTANT FROM THE HANDLING SITE.

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

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE:

NOT ESTABLISHED FOR MIXTURE. SEE SECTION II.

EFFECTS OF OVEREXPOSURE :

- ACUTE - (SHORT TERM EXPOSURE)
 EYE: MAY CAUSE SEVERE IRRITATION, REDNESS, TEARING AND BLURRED VISION.
 SKIN: MAY CAUSE IRRITATION, REDNESS, EDEMA AND DERMATITIS. MAY BE ABSORBED THROUGH THE SKIN CAUSING HEADACHES, DIZZINESS, NAUSEA AND DECREASED BLOOD PRESSURE. MAY CAUSE SKIN SENSITIZATION.
 INHALATION: EXCESSIVE INHALATION OF VAPORS MAY CAUSE NASAL AND RESPIRATORY IRRITATION, CENTRAL NERVOUS SYSTEM EFFECTS INCLUDING DIZZINESS, WEAKNESS, FATIGUE, NAUSEA, HEADACHE, CONVULSIONS, DIFFICULTY IN BREATHING, VISUAL IMPAIRMENT POSSIBLY LEADING TO UNCONSCIOUSNESS, ASPHYXIATION AND DEATH. MAY BE ABSORBED THROUGH THE LUNGS.
 INGESTION: MAY CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING, DIARRHEA AND ABDOMINAL PAIN.
 INGESTION AND SUBSEQUENT VOMITING OF THIS PRODUCT CAN LEAD TO ASPIRATION OF THE SOLVENT INTO THE LUNGS, WHICH COULD CAUSE DAMAGE AND COULD BE FATAL.

- CHRONIC - (LONG TERM EXPOSURE)

(CONTINUED) - SECTION V - HEALTH HAZARD DATA

EYE: REPEATED OVEREXPOSURE CAN LEAD TO INFECTION.
 INHALATION: MAY LEAD TO KIDNEY DAMAGE.
 TARGET ORGANS: CENTRAL NERVOUS SYSTEM, KIDNEYS.

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

EMERGENCY & FIRST AID PROCEDURES

INHALATION:
 REMOVE FROM AREA TO FRESH AIR. IF NOT BREATHING, CLEAR AIRWAY AND START MOUTH-TO-MOUTH ARTIFICIAL RESPIRATION. GET IMMEDIATE MEDICAL ATTENTION.

EYE CONTACT:
 RINSE THE EYES WITH WATER. REMOVE ANY CONTACT LENSES AND CONTINUE FLUSHING WITH WATER FOR AT LEAST 15 MINUTES. HOLD 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 LARGE AMOUNTS OF SOAP AND WATER FOR 15 MINUTES. REMOVE CONTAMINATED CLOTHING AND SHOES. GET IMMEDIATE MEDICAL ATTENTION. WASH CLOTHING AND CLEAN SHOES BEFORE REUSE.

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

NOTES TO PHYSICIAN :
 NONE KNOWN.

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

(CONTINUED) - SECTION VI - TOXICITY INFORMATION

2-ETHYLHEXYL NITRATE
 ORL-RAT LD50: >9640 MG/KG 3.
 SKN-RBT LD50: >4820 MG/KG 3.
 KEROSENE
 ORL-RAT LD50: 800 MG/KG 3.
 ORL-RBT LD50: 28 G/KG 3.
 IVN-DOG LD50: 200 MG/KG 3.
 HEAVY AROMATIC NAPHTHA
 NO TOXICITY DATA AVAILABLE
 PETROLEUM DISTILLATE
 NO TOXICITY DATA AVAILABLE
 HYDROXYETHYLATED AMINOETHYLAMIDE
 NO TOXICITY DATA AVAILABLE
 LIFETIME SKIN PAINTING STUDIES WITH PRODUCTS SIMILAR TO KEROSENE USUALLY
 PRODUCE SKIN TUMORS AND SKIN CANCER IN LABORATORY MICE. THE DEGREE OF
 CARCINOGENICITY WAS WEAK TO MODERATE WITH A RELATIVELY LONG LATENT PERIOD.
 LIMITED STUDIES ON CARCINOGENIC OILS HAVE SHOWN THAT WASHING THE ANIMAL'S
 SKIN WITH SOAP AND WATER BETWEEN APPLICATIONS REDUCED TUMOR FORMATION. IN
 AN UNPUBLISHED NTP STUDY, MICE EXPOSED TO 10 & 30 PPM OF NAPHTHALENE FOR
 TWO YEARS SHOWED AN INCREASE INCIDENCE OF LUNG TUMORS. 5.

POLYOLEFIN CARBOXYLIC ACID
 NO TOXICITY DATA AVAILABLE

SECTION VII - REACTIVITY DATA

STABILITY | X <--STABLE <--UNSTABLE | CONDITIONS TO AVOID

HEAT, SPARKS, HOT SURFACES AND OPEN FLAMES.

INCOMPATIBILITY (MATERIALS TO AVOID) :
 OXIDIZERS, REDUCING AGENTS, HALOGENS AND HALOGENATED COMPOUNDS.

HAZARDOUS DECOMPOSITION PRODUCTS
 OXIDES OF CARBON AND NITROGEN, ALDEHYDES, SMOKE AND FUMES, FREE
 AROMATIC AMINES.

HAZARDOUS POLYMERIZATION | X <--WILL NOT OCCUR MAY <--OCCUR | 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 AND VENTILATE AREA. STOP LEAK AND
 CONTAIN SPILL. USE INERT ABSORBANT MATERIAL, PLACE SPILLED MATERIAL INTO
 LABELED CONTAINER FOR PROPER DISPOSAL.

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

NEUTRALIZING AGENT :
 N/A

SECTION IX - SPECIAL PROTECTION INFORMATION

REQUIRED VENTILATION :

TYPICAL USE OF THIS PRODUCT DOES NOT REQUIRE SPECIAL VENTILATION.
 GENERAL EXHAUST IS SUFFICIENT.

RESPIRATORY PROTECTION :
 TYPICAL USE DOES NOT REQUIRE RESPIRATORS. HOWEVER, WEAR A NIOSH APPROVED
 RESPIRATOR IF EXPOSURE LEVELS ARE ABOVE THE RECOMMENDED EXPOSURE LIMITS.

GLOVE PROTECTION :
 PVA GLOVES IF PROLONGED OR REPEATED SKIN
 CONTACT IS ANTICIPATED.

EYE PROTECTION :
 CHEMICAL GOGGLES IF METHOD OF USE PRESENTS THE
 LIKELIHOOD OF EYE CONTACT.

OTHER PROTECTION :
 N/A

(CONTINUED) - SECTION IX - SPECIAL PROTECTION INFORMATION

SECTION X - STORAGE AND HANDLING INFORMATION

STORAGE TEMPERATURE	INDOOR	HEATED	REFRIGERATED	OUTDOOR
MAX: 100 °F MIN: -10 °F	X			

PRECAUTIONS TO BE TAKEN IN HANDLING & STORING
 KEEP AWAY FROM IGNITION SOURCES.
 STORE INDOORS OR LAY CONTAINERS ON THEIR SIDES FOR
 OUTDOOR STORAGE.
 KEEP CONTAINER CLOSED WHEN NOT IN USE.

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

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 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.

THIS MSDS IS NOT SUITABLE FOR USERS

(CONTINUED) - SECTION XI - REGULATORY INFORMATION

IN THE STATE OF CALIFORNIA.

SECTION XII - TRANSPORTATION * (FOR FUTURE USE)

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, ACGIH, 1990-1991.
2. OSHA PEL
3. VENDOR'S MSDS
4. DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS, 7TH 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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CERTIFIED LABS. DIV. OF NCH CORP. ASSUMES NO RESPONSIBILITY FOR PERSONAL INJURY OR PROPERTY DAMAGE CAUSED BY THE USE, STORAGE

(CONTINUED) - SECTION XIII - REFERENCES

OR DISPOSAL OF THE PRODUCT IN A MANNER NOT RECOMMENDED ON THE
PRODUCT LABEL. USERS ASSUME ALL RISKS ASSOCIATED WITH SUCH
UNRECOMMENDED USE, STORAGE, OR DISPOSAL OF THE PRODUCT.