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|DATE OF ISSUE
| 03/10/94| SUPERSEDES |
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SECTION I - GENERAL INFORMATION

CHEMICAL NAME & SYNONYMS
N/ATRADE NAME & SYNONYMS
DRI-LUBE PLUS AEROSOLCHEMICAL FAMILY :
ALCOHOL MIXTUREFORMULA
X <--MIXTUREMANUFACTURER'S NAME:
CERTIFIED LABS, DIV. OF NCH CORP.ADDRESS (NUMBER, STREET, CITY, STATE & ZIP CODE)
BOX 152170
IRVING, TEXAS 75015PREPARED BY:
L. DEYOUNG/CHEMIST| PRODUCT CODE NUMBER
5438| EMERGENCY TELEPHONE NUMBER
214-438-1381

SECTION II - HAZARDOUS INGREDIENTS

THE HAZARDS PRESENTED BELOW ARE THOSE OF THE INDIVIDUAL COMPONENTS

CHEMICAL NAME (INGREDIENTS) :
ISOPROPANOLHAZARD---->FLAM/IRR | TLV--->400 PPM 1. | PEL--->400 PPM 2. |
STEL(TWA)*->500 PPM | CAS#-->67-63-0 | PCT---> <58 |

MOLYBDENUM DISULFIDE

HAZARD---->IRRITANT | TLV--->10 MG/M3 1. | PEL--->15 MG/M3 2. |
STEL(TWA)*->NOT EST. | CAS#-->1317-33-5 | PCT---> <5 |

PROPANE

HAZARD---->FLAMMABLE | TLV--->N/E 1. | PEL--->N/E 2. |
STEL(TWA)*->NOT EST. | CAS#-->74-98-6 | PCT--->5-10 |

ISOBUTANE

HAZARD---->FLAMMABLE | TLV--->NOT EST. 1. | PEL--->N/E 2. |
STEL(TWA)*->NOT EST. | CAS#-->75-28-5 | PCT--->25-30 |

N-BUTANE

HAZARD---->FLAMMABLE | TLV--->NOT EST. 1. | PEL--->NOT EST. 2. |
STEL(TWA)*->NOT EST. | CAS#-->106-97-8 | PCT--->1-5 |

SECTION III - PHYSICAL DATA

BOILING PT. (F) | 180 | SPEC. GRAVITY (H2O=1) | 0.817

VAPOR PR. (MM HG) | 33 | COLOR | GRAY

VAPOR DENSITY | 2.07 | ODOR | ALCOHOL

PH. @ 100% | N/A | CLARITY | OPAQUE

% VOLATILE BY VOL | 94 | EVAPORATION RATE | 2.88
| (BU A/C = 1) |

H2O SOLUBILITY | PARTIAL

VISCOSITY | NON-VISCOUS

SECTION IV - FIRE AND EXPLOSION HAZARD

FLASH POINT: 47 F SETAFLASH	FLAMMABLE LIMITS ISOPROPANOL	LEL 2.0	UEL 12.7
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EXTINGUISHING MEDIA "ALCOHOL"	DRY	WATER	
X <--FOAM <--FOAM	X <--CHEMICAL	<--SPRAY	<--OTHER

SPECIAL FIRE FIGHTING PROCEDURES

WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING WHEN FIGHTING FIRES. USE WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS.

UNUSUAL FIRE AND EXPLOSION HAZARDS

THIS MATERIAL MAY PRODUCE A FLOATING FIRE HAZARD AND THE VAPORS MAY TRAVEL LONG DISTANCES AND CONCENTRATE IN LOW AREAS.

FLAME EXTENSION = >36 INCHES BURNBACK = 6 INCHES

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

2 <--HEALTH 3 <--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)**

INGESTION OF LARGE AMOUNTS MAY CAUSE DROWSINESS, CRAMPS, PAIN NAUSEA, DIARRHEA, VOMITING AND GASTROINTESTINAL IRRITATION.

INHALATION OF MIST OR VAPOR MAY CAUSE IRRITATION OF THE NOSE AND THROAT. HIGH CONCENTRATIONS MAY CAUSE HEADACHE, DROWSINESS, DIZZINESS, NAUSEA, DISORIENTATION, EXCITATION, CENTRAL NERVOUS SYSTEM DEPRESSION AND ANESTHESIA.

EYE CONTACT CAUSES IRRITATION, POSSIBLY SEVERE, WITH BURNING SENSATIONS AND BLURRED VISION.

SKIN CONTACT MAY CAUSE IRRITATION, DRYING AND CRACKING OF THE SKIN. CONTACT WITH COMPRESSED LIQUID CAUSES FREEZE BURNS.

- CHRONIC - (LONG TERM EXPOSURE)

REPEATED OR PROLONGED EYE CONTACT MAY CAUSE CORNEAL INJURY.

REPEATED OR PROLONGED SKIN CONTACT MAY CAUSE DERMATITIS.

INGESTION OF LARGE AMOUNTS MAY CAUSE UNCONSCIOUSNESS.

TARGET ORGANS: NONE KNOWN.

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 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 LARGE AMOUNTS OF SOAP AND WATER FOR SEVERAL MINUTES. REMOVE AND CLEAN CONTAMINATED CLOTHING AND SHOES. 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. GET IMMEDIATE MEDICAL ATTENTION.

SECTION V - HEALTH HAZARD DATA (CONTINUED)

NOTES TO PHYSICIAN:

N/A

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

ISOPROPANOL

SKN-RBT 500 MG MLD 3.

IPR-GPG LD50: 2560 MG/KG 3.

IHL-MUS LCLO: 12800 PPM/3H 3.

ORL-RAT LD50: 5800 MG/KG 4.

N-BUTANE

IHL-RAT LD50: 658 G/M3/4H 3.

IHL-MUS LC50: 680 G/M3/2H 3.

MOLYBDENUM DISULFIDE

NO TOXICITY DATA AVAILABLE

PROPANE

NO TOXICITY DATA AVAILABLE

ISOBUTANE

NO TOXICITY DATA AVAILABLE

SECTION VII - REACTIVITY DATA

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

HEAT, HOT SURFACES, SPARKS AND OPEN FLAMES.

INCOMPATIBILITY (MATERIALS TO AVOID):

CONCENTRATED NITRIC AND SULFURIC ACID, STRONG OXIDIZERS, ALDEHYDES, HALOGENS, HALOGEN COMPOUNDS AND OXYGEN.

HAZARDOUS DECOMPOSITION PRODUCTS

BURNING MAY PRODUCE CARBON MONOXIDE AND CARBON DIOXIDE.

EXTREME TEMPERATURES MAY PRODUCE OXIDES OF SULFUR AND MOLYBDENUM.

HAZARDOUS | WILL NOT MAY | CONDITIONS TO AVOID

POLYMERIZATION | X <--OCCUR <--OCCUR |

N/A

SECTION VIII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

EXTINGUISH ALL SOURCES OF IGNITION. DUE TO AEROSOL PACKAGING, LARGE SPILLS ARE UNLIKELY. FOR SMALL SPILLS, ABSORB WITH AN INERT MATERIAL AND TRANSFER TO A LABELED CONTAINER FOR PROPER DISPOSAL.

WASTE DISPOSAL METHOD(S):

DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL POLLUTION REGULATIONS.

NEUTRALIZING AGENT:

N/A

SECTION IX - SPECIAL PROTECTION INFORMATION

REQUIRED VENTILATION:

LOCAL OR MECHANICAL EXHAUST SHOULD BE SUFFICIENT TO MAINTAIN EXPOSURE BELOW RECOMMENDED LEVELS.

SECTION IX - SPECIAL PROTECTION INFORMATION (CONTINUED)**RESPIRATORY PROTECTION:**

WITH NORMAL USE, NO RESPIRATORY PROTECTION SHOULD BE NEEDED. IN AREAS OF HIGH VAPOR OR MIST, WEAR A NIOSH-APPROVED RESPIRATOR.

GLOVE PROTECTION:

NEOPRENE RUBBER GLOVES IF REPEATED OR PROLONGED CONTACT IS LIKELY.

EYE PROTECTION:

SAFETY GLASSES WITH SIDE SHIELDS IF THE METHOD OF USE PRESENTS THE LIKELIHOOD OF EYE CONTACT.

OTHER PROTECTION:

EYE BATH, SAFETY SHOWER.

SECTION X - STORAGE AND HANDLING INFORMATION

STORAGE TEMPERATURE
MAX: 120 F MIN: 0 F

INDOOR
X

HEATED

REFRIGERATED

OUTDOOR

PRECAUTIONS TO BE TAKEN IN HANDLING & STORING

AVOID HEAT, HOT SURFACES, SPARKS OR OPEN FLAME. WASH THOROUGHLY AFTER HANDLING. USE ONLY WITH ADEQUATE VENTILATION.

OTHER PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN. READ THE 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 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.

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 1991-1992
2. OSHA PEL.
3. DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS, SEVENTH EDITION, N. IRVING SAX AND RICHARD J. LEWIS, SR.
4. VENDOR'S MSDS

* 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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