

(013560-0224 -U0122745-5063)

DATE OF ISSUE

01/17/92

SUPERSEDES

03/12/91

SECTION I - GENERAL INFORMATION

CHEMICAL NAME & SYNONYMS

N/A

TRADE NAME & SYNONYMS

T-LUBE AEROSOL

CHEMICAL FAMILY

TELOMER

FORMULA

X<--MIXTURE

MANUFACTURERS NAME:

CERTIFIED LABS, DIV. OF NCH CORP.

ADDRESS (NUMBER, STREET, CITY, STATE & ZIP CODE)

BOX 152170

IRVING, TEXAS 75015

PREPARED BY:

G ZIMMERMAN/CHEMIST

PRODUCT CODE NUMBER

5063

EMERGENCY TELEPHONE NUMBER

214-438-1381

SECTION II- HAZARDOUS INGREDIENTS

THE HAZARDS PRESENTED BELOW ARE THOSE OF THE INDIVIDUAL COMPONENTS.

CHEMICAL NAME (INGREDIENTS) :

TRICHLOROTRIFLUOROETHANE

HAZARD-->ASPHYXIAN

STEL(TWA)* ->1250PPM

TLV-->1000PPM 1.

CAS#-->76-13-1

PEL-->1000PPM 2.

CHEMICAL NAME (INGREDIENTS) :

1,1,1-TRICHLOROETHANE

HAZARD-->IRRITANT

STEL(TWA)* ->450PPM

TLV-->350PPM 1.

CAS#-->71-55-6

PEL-->350PPM 2.

CHEMICAL NAME (INGREDIENTS) :

PROPANE

HAZARD-->ASPHYXIAN

STEL(TWA)* ->NA

TLV-->NOT EST. 1.

CAS#-->74-98-6

PEL-->1000PPM 2.

CHEMICAL NAME (INGREDIENTS) :

ISOBUTANE

HAZARD-->FLAM

STEL(TWA)* ->NOT EST

TLV-->NOT EST. 1.

CAS#-->75-28-5

PEL-->NOT EST. 2.

T-LUBE AEROSOL

(CONTINUED)

SECTION II- HAZARDOUS INGREDIENTS

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CHEMICAL NAME (INGREDIENTS) :

1,3 DIOXOLANE

HAZARD-->IRRITANT

STEL(TWA)* ->NOT EST

TLV-->NOT EST 1.

CAS#-->646-06-0

PEL-->NOT EST 2.

SECTION IIA - NON-HAZARDOUS INGREDIENTS

NON-HAZARDOUS INGREDIENT NAMES AND CAS NUMBERS ARE PROTECTED UNDER NJ TRADE SECRET REGISTRY # 409363-5080P

SECTION III - PHYSICAL DATA

BOILING PT. (FAHRENHEIT) 115-165 SPEC GRAVITY (H2O=1) 1.40

VAPOR PRESSURE (MM HG) 100 COLOR WHITE

VAPOR DENSITY (AIR=1) 4.8 ODOR CHLOR. HYDROCARBON

PH @ 100% N/A CLARITY HAZY

PERCENT VOLATILE BY VOLUME (%) 95 EVAPORATION RATE (BU AC = 1) < 1

SOLUBILITY IN WATER NEGLIGIBLE

VISCOSITY NON-VISCOUS

SECTION IV - FIRE AND EXPLOSION HAZARD

FLASH POINT (METHOD USED)

NON-FLAMM. C.C.

FLAMMABLE LIMITS

LEL

N/A

UEL

N/A

EXTINGUISHING MEDIA "ALCOHOL"

X<--FOAM <--FOAM

X<--CO2

<--CHEMICAL

<--WATER

<--SPRAY

<--OTHER

SPECIAL FIRE FIGHTING PROCEDURES

HIGH CONCENTRATION IN CLOSED AREA CAN BURN. SHOULD NOT BE USED IN CLOSED EQUIPMENT WHICH MAY RETAIN SOLVENT RESIDUE.

UNUSUAL FIRE & EXPLOSION HAZARDS

UNDER EXTREMELY HIGH HEAT, PHOSGENE OR FLUORINE COMPOUNDS CAN BE FORMED.

LEVEL 1 AEROSOL (NFPA JOB)

NFPA HAZARD RATING (0=INSIGNIFICANT; 1=SLIGHT; 2=MODERATE; 3=HIGH; 4=EXTREME):
 3 <-- HEALTH 1 <-- 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)
 INHALATION : YIELDS HEADACHE, BLURRED VISION, NAUSEA AND DIZZINESS.
 PRODUCT IS IRRITATING TO EYES AND SKIN CAUSING REDDNESS AND DISCOMFORT.
 INGESTION CAN CAUSE GASTROINTESTINAL IRRITATION.
 WHEN THE TELMER IS EXPOSED TO TEMPERATURES ABOVE 750 F. A CONDITION
 KNOWN AS TELMER FEVER HAS OCCURRED FROM EXPOSURE TO THE FUMES OF THE
 DECOMPOSITION BY-PRODUCTS.

- CHRONIC - (LONG TERM EXPOSURE)
 PROLONGED INHALATION CAN CAUSE CENTRAL NERVOUS SYSTEM DEPRESSION AND
 CAN LEAD TO ASPHYXIA.
 MARKED IRRITATION TO EYES AND SKIN DUE TO ITS DEFATTING NATURE.
 CHRONIC OVEREXPOSURE CAN ALSO AFFECT THE LIVER AND THE KIDNEYS.

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

EMERGENCY & FIRST AID PROCEDURES

INHALATION :
 MOVE TO FRESH AIR AND TREAT SYMPTOMATICALLY. GIVE OXYGEN IF BREATHING
 IS DIFFICULT. GIVE ARTIFICIAL RESPIRATION IF BREATHING STOPS.
 GET MEDICAL HELP.

EYE CONTACT:

FLUSH WITH WATER 5-6 MINUTES. SEE A PHYSICIAN IF IRRITATION PERSISTS.

SKIN CONTACT:

WASH WITH SOAP AND WATER. IF IRRITATION DEVELOPS, SEEK MEDICAL ATTENTION.

INGESTION

DO NOT INDUCE VOMITING EVEN IF VOMITING OCCURS. IF IT OCCURS, KEEP
 HEAD BELOW HIPS TO PREVENT ASPIRATION OF LIQUID INTO LUNGS. GET
 MEDICAL ATTENTION IMMEDIATELY.

NOTES TO PHYSICIAN :

DEPENDENT ON THE AMOUNT INGESTED AND RETAINED AS WELL AS THE TOXICITY OF
 THE PRODUCT. GASTRIC LAVAGE SHOULD BE AVOIDED BECAUSE OF PULMONARY
 ASPIRATION. IF COMATOSE, A CUFFED INOTRACHEAL TUBE WILL PREVENT
 ASPIRATION. CONSULT A POISON CONTROL CENTER.

T-LUBE AEROSOL

SECTION VI - TOXICITY INFORMATION

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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

1,1,1 TRICHLOROETHANE

ORL-HMN TDLO: 670MG/KG TFX:CN 3.

IHL-HMN TCLO: 920PPM/MG TEX:CSN 3.

ORL-RAT LD50: 10,300MG/KG 3.

TRICHLOROTRIFLUOROETHANE

SKN-RBT 500MG OPEN MILD 3.

ORL-RAT LD50: 43G/KG 3.

IHL-RAT LC50: 87000PPM 3.

PROPANE

NO DATA AVAILABLE

ISOBUTANE

NO DATA AVAILABLE

1,3 DIOXOLANE

ORL RAT LD50 3000 MG/KG 4.

SKN RBT LD50 8400 MG/KG 4.

SECTION VII - REACTIVITY DATA

STABILITY	X<--STABLE	<--UNSTABLE	CONDITIONS TO AVOID
	N/A		

INCOMPATIBILITY (MATERIALS TO AVOID)

STRONG ALKALIES, ACIDS AND SELECTED AMINES.

HAZARDOUS DECOMPOSITION PRODUCTS

DECOMPOSITION TEMPERATURES CAN RELEASE CARBON DIOXIDE/MONOXIDE, HYDROGEN CHLORIDE, PHOSGENE AND FLUORINE COMPOUNDS.

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
 PREVENT FROM ENTERING SEWER OR WATER SOURCES. VENTILATE ENCLOSED SPACE.
 WEAR RESPIRATOR. CLEAN UP (ANY ELECTRICAL CLEANING EQUIPMENT MUST BE
 EXPLOSION-PROOF) OR SOAK UP WITH SAND, COTTON WASTE OR OTHER ABSORBANT
 MATERIAL. AEROSOL PACKAGING MINIMIZES THIS HAZARD.

WASTE DISPOSAL METHOD

DISPOSE OF EMPTY AEROSOL CONTAINER BY WRAPPING IN SEVERAL LAYERS OF NEWS-
 PAPER AND PLACE IN TRASH. DISPOSAL OF WIPING MATERIALS SHOULD BE IN AC-
 CORDANCE WITH ALL FEDERAL, STATE AND LOCAL POLLUTION REGULATIONS.

NEUTRALIZING AGENT

N/A

SECTION IX - SPECIAL PROTECTION INFORMATION

REQUIRED VENTILATION
SUFFICIENT VENTILATION TO BE EQUAL TO OR BELOW THE ALLOWABLE
CONCENTRATION.

RESPIRATORY PROTECTION
TYPICAL USE OF PRODUCT DOES NOT REQUIRE THE USE OF A RESPIRATOR. IF
PRODUCT IS MISTED USE NIOSH APPROVED MASK FOR SPRAY MISTS. IN
EMERGENCY SITUATIONS THE FOLLOWING RESPIRATORS ARE RECOMMENDED:
500PPM CCROV/SA/SCBA
1000PPM CCROVF/GMOV/SAF/SCBAF
ESCAPE: GMOV/SCBA

PROTECTIVE GLOVES
PVA OR EQUIVALENT IF REPEATED
OR PROLONGED SKIN CONTACT OCCURS.

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

OTHER PROTECTION
N/A

SECTION X - STORAGE AND HANDLING INFORMATION

STORAGE TEMPERATURE
120 F. <--MAX 30 F. <--MIN | INDOOR | HEATED | REFRIGERATED | OUTDOOR

PRECAUTIONS TO BE TAKEN IN HANDLING & STORING
FOLLOW LABEL DIRECTIONS.

OTHER PRECAUTIONS
KEEP OUT OF REACH OF CHILDREN.

SECTION XI - REGULATORY INFORMATION

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

T-LUBE AEROSOL

(CONTINUED)

SECTION XI - REGULATORY INFORMATION

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1,1,1-TRICHLOROETHANE 71-55-6 80

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:
NONE

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 VALUE FOR CHEMICAL SUBSTANCES AND PHYSICAL AGENTS
AND BIOLOGICAL EXPOSURE INDICES, 1990-1991, ACGIH.
 2. OSHA PEL
 3. DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS, 7TH EDITION,
N. IRVING SAX AND RICHARD J. LEWIS, SR.
 4. REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES 1991
- *SHORT TERM EXPOSURE LIMIT (TWA) LISTED AS FINAL RULE LIMITS PUBLISHED IN THE
FEDERAL REGISTER/VOL.54 NO.12, 1-19-89