

MATERIAL SAFETY DATA SHEET: LIQUID ELECTRICAL TAPE PAGE : 1  
(D -150654-DY157994-LIQTAPE ) DATE OF ISSUE 07/11/94 SUPERSEDES 02/04/94

SECTION I - GENERAL INFORMATION

CHEMICAL NAME & SYNONYMS N/A	TRADE NAME & SYNONYMS LIQUID ELECTRICAL TAPE	
CHEMICAL FAMILY : AROMATIC BLEND	FORMULA X <-- MIXTURE	
MANUFACTURE'S NAME: DYNA SYSTEMS A PARTSMASTER CO DIV OF NCH		
ADDRESS (NUMBER, STREET, CITY, STATE & ZIP CODE) P.O. BOX 655326 DALLAS, TEXAS 75265-5326		
PREPARED BY: B SANFORD/CHEMIST	PRODUCT CODE NUMBER LIQTAPE	EMERGENCY TELEPHONE NUMBER 214-438-1381

SECTION II - HAZARDOUS INGREDIENTS

THE HAZARDS PRESENTED BELOW ARE THOSE OF THE INDIVIDUAL COMPONENTS

CHEMICAL NAME (INGREDIENTS) :			
TOLUENE	HAZARD----->FLAM/MUT. STEL(TWA)*-->150PPM	TLV---->100PPM 1 CAS#-->108-88-3	PEL--->100PPM 2
METHYL ETHYL KETONE	HAZARD----->FLAM/IRR STEL(TWA)*-->300PPM	TLV---->200PPM 1 CAS#-->78-93-3	PEL--->200PPM 2

SECTION III - PHYSICAL DATA

BOILING PT. (F)	230-287	SPEC. GRAVITY (H2O=1)	1.11
VAPOR PR. (MM HG)	N/A	COLOR	BLACK

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(CONTINUED) - SECTION III - PHYSICAL DATA

VAPOR DENSITY	N/A	ODOR	PUNGENT, AROMATIC
PH. @ 100%	N/A	CLARITY	OPAQUE
% VOLATILE BY VOL	57	EVAPORATION RATE (BU A/C = 1)	N/A
H2O SOLUBILITY	NEGLIGIBLE		
VISCOSITY	VISCOUS		

SECTION IV - FIRE AND EXPLOSION HAZARD

FLASH POINT: 23 F. T.O.C.	FLAMMABLE LIMITS	N/A LEL	N/A UEL
EXTINGUISHING MEDIA "ALCOHOL" X <--FOAM X <--FOAM X <--CO2 X <--CHEMICAL X <--WATER <--SPRAY <--OTHER			
SPECIAL FIRE FIGHTING PROCEDURES USE DRY CHEMICAL, FOAM OR CARBON DIOXIDE. WATER MAY BE INEFFECTIVE, BUT WATER SHOULD BE USED TO KEEP FIRE-EXPOSED CONTAINERS COOL.			
UNUSUAL FIRE AND EXPLOSION HAZARDS THE INCLUSION OF THE PHRASE "WATER MAY BE INEFFECTIVE" IS TO INDICATE THAT ALTHOUGH WATER CAN BE USED TO COOL AND PROTECT EXPOSED MATERIAL, WATER MAY NOT EXTINGUISH THE FIRE UNLESS USED BY TRAINED FIREFIGHTERS.			
NFPA HAZARD RATING (0=INSIGNIFICANT;1=SLIGHT;2=MODERATE;3=HIGH;4=EXTREME): 2 <--HEALTH 3 <--FLAMMABILITY 1 <--REACTIVITY <--SPECIAL			

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE:  
NOT ESTABLISHED FOR MIXTURE. SEE SECTION II.  
EFFECTS OF OVEREXPOSURE :  
- ACUTE - (SHORT TERM EXPOSURE)  
PRODUCT IS IRRITATING TO EYES AND SKIN CAUSING REDNESS AND DISCOMFORT.

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## (CONTINUED) - SECTION V - HEALTH HAZARD DATA

INHALATION OF PRODUCT CAN YIELD TRANSIENT IRRITATION OF RESPIRATORY PASSAGES AT HIGHER LEVELS. THE FOLLOWING SYMPTOMS MAY BE PRESENT: CNS EFFECTS, TEARING OF EYES, HILARITY, NAUSEA, METALLIC TASTE IN MOUTH AND HEADACHE. INGESTION: LOW ORAL TOXICITY, BUT ASPIRATION OF A MINUTE AMOUNT OF MATERIAL INTO LUNGS CAN BE FATAL OR CAUSE PULMONARY DAMAGE.

- CHRONIC - (LONG TERM EXPOSURE)  
MARKED IRRITATION TO EYES AND SKIN. IN SOME INSTANCES AFTER PROLONGED BREATHING OF HIGH CONCENTRATIONS, HEADACHE, NAUSEA, DIZZINESS AND DROWSINESS MAY OCCUR.  
CHRONIC OVER EXPOSURE CAN CAUSE LIVER DAMAGE.

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

## EMERGENCY &amp; FIRST AID PROCEDURES

INHALATION:  
IF OVERCOME BY VAPOR, REMOVE FROM EXPOSURE AND CALL A PHYSICIAN IMMEDIATELY. IF BREATHING IS IRREGULAR OR HAS STOPPED, START RESUSCITATION, ADMINISTER OXYGEN, IF AVAILABLE.

EYE CONTACT:  
FLUSH EYES WITH WATER FOR 15 MINUTES, HOLDING EYELIDS OPEN OCCASIONALLY FOR MAXIMUM BENEFIT. SEE A PHYSICIAN IF IRRITATION PERSISTS. TREATMENT IS MOST EFFECTIVE WITHIN THE FIRST MINUTE.

SKIN CONTACT:  
WASH WITH SOAP AND WATER. APPLY AN EMOLLIENT RICH CREAM IF IRRITATION OCCURS.

INGESTION:  
DO NOT INDUCE VOMITING. ASPIRATION OF SOLVENT INTO LUNGS CAN CAUSE CHEMICAL PNEUMONIA WHICH MAY BE FATAL.

NOTES TO PHYSICIAN:  
GASTRIC LAVAGE IS INDICATED.

## SECTION VI - TOXICITY INFORMATION

## (CONTINUED) - 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

## TOLUENE

TOX: EYE-HMN: 300 PPM 3.  
IHL-MAN TCLO: 200 PPM/CNS 3.  
ORL-RAT LD50: 5000 MG/KG 3.  
SKN-RBT: 435 MG MILD 3.  
EYE-RBT: 870 MG MILD 3.  
CYT-RAT-SCU 12G/KG/12D-I 3.

## METHYL ETHYL KETONE

TOX: EYE-HMN 350PPM 3.  
IHL-TCLO: 100PPM/5M:IRR. 3.  
ORL-RAT LD50: 3400MG/KG 3.  
MINOR EMBRYONIC/FETOTOXIC EFFECTS HAVE BEEN OBSERVED IN LAB RATS EXPOSED TO 1000PPM OF MEK FOR MOST OF GESTATION PERIOD.

## SECTION VII - REACTIVITY DATA

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

FLAME, HIGH HEAT

INCOMPATABILITY (MATERIALS TO AVOID):  
LIQUID CHLORINE, O<sub>2</sub>, SODIUM OR CALCIUM HYPOCHLORITE

HAZARDOUS DECOMPOSITION PRODUCTS  
FUMES, SMOKE, CARBON MONOXIDE, ALDEHYDES

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:  
AEROSOL PACKAGE, SO MAJOR SPILL UNLIKELY. IN THE EVENT OF A SPILL,  
PLACE INTO A LABELED CONTAINER FOR PROPER DISPOSAL.

WASTE DISPOSAL METHOD(S):  
DISPOSE OF IN A MANNER WHICH CONFORMS TO ALL FEDERAL, STATE, AND LOCAL  
POLLUTION CONTROL REGULATIONS.  
EMPTY CANS CAN BE WRAPPED IN SEVERAL LAYERS OF NEWSPAPER AND DISCARDED  
IN THE TRASH.

NEUTRALIZING AGENT :  
N/A

## SECTION IX - SPECIAL PROTECTION INFORMATION

REQUIRED VENTILATION :

PROVIDE LOCAL EXHAUST TO MAINTAIN TLV AT ACCEPTABLE LEVEL.

RESPIRATORY PROTECTION :  
IN AN EMERGENCY, PLEASE USE:  
500 PPM: CCROV/SA/SCBA  
1000 PPM: CCROV  
2000 PPM: GMOV/SAF/SCBAF  
ESCAPE: GMOV/SCBA  
IDLH = 2000 PPM

GLOVE PROTECTION :  
PVA GLOVES.

EYE PROTECTION :  
CHEMICAL SPLASH GOGGLES.

OTHER PROTECTION :  
APRON, EYE WASH AND SAFETY SHOWER.

## (CONTINUED) - SECTION IX - SPECIAL PROTECTION INFORMATION

## SECTION X - STORAGE AND HANDLING INFORMATION

STORAGE TEMPERATURE INDOOR HEATED REFRIGERATED OUTDOOR  
MAX: 100 F. MIN: 0 F. X

PRECAUTIONS TO BE TAKEN IN HANDLING & STORING  
KEEP OFF OF SKIN AND OUT OF EYES  
KEEP AWAY FROM HEAT, SPARKS, OR OPEN LIGHTS.

OTHER PRECAUTIONS  
NO SMOKING.

## SECTION XI - REGULATORY INFORMATION

CHEMICAL NAME	C.A.S NUMBER	UPPER % LIMIT
TOLUENE	108-88-3	30
METHYL ETHYL KETONE	78-93-3	20

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

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THE STATE OF CALIFORNIA TO CAUSE (1)CANCER OR (2)BIRTH DEFECTS OR  
OTHER REPRODUCTIVE HARM:  
NONE

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, 7TH EDITION, N. IRVING SAX AND RICHARD J. LEWIS.

\* 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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