



Chemical Name: Super Safety Solvent

Manufacturer: Tekusolv

Container size: 18oz.

Location: VLA

Disposal: Place empty container in trash.

(000000-000000- - 0382)

| DATE OF ISSUE
| 11/04/2004

| SUPERSEDES |
| 01/30/2002 |

SECTION I - GENERAL INFORMATION

CHEMICAL NAME & SYNONYMS
N/A

TRADE NAME & SYNONYMS
TEKUSOLV

CHEMICAL FAMILY:
ALIPHATIC LIMOLINE BLEND

FORMULA
X <--MIXTURE

MANUFACTURER'S NAME:
CERTIFIED LABS, DIV. OF NCH CORP.

ADDRESS (NUMBER, STREET, CITY, STATE & ZIP CODE)
BOX 152170
IRVING, TEXAS 75015

PREPARED BY:
M MCDOWELL/CHEMIST

| PRODUCT CODE NUMBER
0382

| EMERGENCY TELEPHONE NUMBER
972-438-1381

SECTION II - HAZARDOUS INGREDIENTS

THE HAZARDS PRESENTED BELOW ARE THOSE OF THE INDIVIDUAL COMPONENTS

CHEMICAL NAME (INGREDIENTS):
SYNTHETICISOPARAFFINIC HYDROCARBON

HAZARD---->COMB/IRR	TLV--->5 MG/M3 \$	1.	PEL--->5 MG/M3 \$	2.	
STEL(TWA)*->10 MG/M3 \$	1.	CAS#-->64742-47-8			

D-LIMONENE

HAZARD---->COMB/IRR	TLV--->N/E	1.	PEL--->N/E	2.	
STEL(TWA)*->N/E	CAS#-->5989-27-5				

\$ OIL MIST VALUES

SECTION III - PHYSICAL DATA

BOILING PT. (F) | 424 | SPEC. GRAVITY (H20=1) | 0.8

VAPOR PR. (MM HG) | 0.53 | COLOR | COLORLESS

VAPOR DENSITY | 4.9 | ODOR | ORANGE

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

% VOLATILE BY VOL | 100 | EVAPORATION RATE | 0.03
| (BU A/C = 1) |

H2O SOLUBILITY | NEGLIGIBLE

VISCOSITY | NON-VISCOUS

SECTION IV - FIRE AND EXPLOSION HAZARD

FLASH POINT: 142 F
PMCC

| FLAMMABLE LIMITS
| PRODUCT MIXTURE

| LEL | UEL
| 0.5 | 6.1

SECTION IV - FIRE AND EXPLOSION HAZARD (CONTINUED)

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

SPECIAL FIRE FIGHTING PROCEDURES
 FIREFIGHTERS SHOULD WEAR A SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR. COOL FIRE-EXPOSED CONTAINERS WITH WATER SPRAY TO PREVENT BURSTING.

UNUSUAL FIRE AND EXPLOSION HAZARDS
 VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL TO DISTANT AND/OR LOW-LYING SOURCES OF IGNITION AND FLASHBACK. PRODUCT MAY PRODUCE A FLOATING FIRE HAZARD AS LIQUID FLOATS ON WATER. THE USE OF WATER SPRAY (FOG) WHILE EFFECTIVE, MAY CAUSE FROTHING AND FOAMING. NEVER USE A WATER JET AS THIS WILL JUST SPREAD THE FIRE. USE CARE AS SPILLS MAY BE SLIPPERY.

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

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE:
 5 MG/M3 AS OIL MIST 1

EFFECTS OF OVEREXPOSURE:

- ACUTE - (SHORT TERM EXPOSURE)

EYE CONTACT: CAUSES IRRITATION SEEN AS STINGING, TEARING, AND REDNESS.
 SKIN CONTACT: CAUSES IRRITATION SEEN AS ITCHING AND REDNESS. MAY CAUSE ALLERGIC SKIN REACTION SEEN AS DELAYED SKIN RASH WHICH MAY BE FOLLOWED BY BLISTERING, SCALING, AND OTHER SKIN EFFECTS.
 INHALATION: MAY CAUSE RESPIRATORY IRRITATION SEEN AS COUGHING AND SNEEZING. MAY CAUSE ALLERGIC RESPIRATORY REACTION. AT LOW VAPOR CONCENTRATIONS, NO HARMFUL EFFECTS ARE EXPECTED. AT HIGH VAPOR CONCENTRATIONS, INHALATION MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS SUCH AS HEADACHE, DIZZINESS, DROWSINESS, WEAKNESS, UNCONCIOUSNESS, POSSIBLE ANESTHETIC EFFECTS FROM CENTRAL NERVOUS SYSTEM DEPRESSION, AND MAY BE FATAL.
 INGESTION: MAY CAUSE IRRITATION WITH POSSIBLE NAUSEA, VOMITING, AND DIARRHEA. INGESTION AND SUBSEQUENT VOMITING OF THIS PRODUCT CAN LEAD TO ASPIRATION OF THE PRODUCT INTO THE LUNGS WHICH CAN CAUSE DAMAGE AND MAY BE FATAL.

- CHRONIC - (LONG TERM EXPOSURE)

MAY CAUSE SKIN SENSITIZATION IN SOME INDIVIDUALS. MAY CAUSE DERMAL AND AND RESPIRATORY SENSITIZATION TO THOSE INDIVIDUALS SENSITIVE TO ORANGE OIL. ON RARE OCCASIONS, PROLONGED AND REPEATED EXPOSURE TO HYDROCARBON MIST POSES A RISK OF 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. ASPIRATION MAY LEAD TO PULMONARY EDEMA AND HEMORRHAGE WHICH MAY BE FATAL. SIGNS OF LUNG INVOLVEMENT INCLUDE INCREASED RESPIRATION AND HEART RATES AS WELL AS A BLuish DISCOLORATION OF THE SKIN.
 MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE ARE PRE-EXISTING RESPIRATORY AND SKIN CONDITIONS SUCH AS ASTHMA, EMPHYSEMA, AND DERMATITIS.
 TARGET ORGANS: BLOOD-FORMING ORGANS, CENTRAL NERVOUS SYSTEM, AND LUNGS. THE PRIMARY ROUTES OF EXPOSURE ARE SKIN AND EYE CONTACT.

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

EMERGENCY & FIRST AID PROCEDURES
 INHALATION:
 REMOVE FROM THE AREA TO FRESH AIR. IF NOT BREATHING, CLEAR THE 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 PLENTY OF WATER FOR SEVERAL MINUTES. SEEK MEDICAL ATTENTION IF IRRITATION DEVELOPS.

SECTION V - HEALTH HAZARD DATA (CONTINUED)

SKIN CONTACT:

WASH AFFECTED AREAS WITH LARGE AMOUNTS OF SOAP AND WATER FOR 15 MINUTES. REMOVE CONTAMINATED CLOTHING AND SHOES. SEEK MEDICAL ATTENTION IF IRRITATION PERSISTS. WASH CLOTHING AND CLEAN SHOES BEFORE REUSE.

INGESTION:

GIVE 3 TO 4 GLASSES OF WATER, BUT DO NOT INDUCE VOMITING. IF VOMITING OCCURS, GIVE FLUIDS AGAIN. GET IMMEDIATE MEDICAL ATTENTION. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS OR CONVULSING PERSON.

NOTES TO PHYSICIAN:

INGESTION AND SUBSEQUENT VOMITING OF THIS PRODUCT CAN LEAD TO ASPIRATION OF THE PRODUCT INTO THE LUNGS WHICH CAN CAUSE DAMAGE AND MAY BE FATAL. DEPENDING ON THE AMOUNT INGESTED AND RETAINED AS WELL AS THE TOXICITY OF THE PRODUCT, GASTRIC LAVAGE SHOULD BE CONSIDERED. KEEP PATIENT'S HEAD BELOW HIPS TO PREVENT PULMONARY ASPIRATION. IF COMATOSE, A CUFFED ENDOTRACHEAL TUBE WILL PREVENT ASPIRATION.

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

TOTAL VOC CONTENT: 100% BY WEIGHT, 100% BY VOLUME, 790 G/L
 VOC CONTENT AFTER LOW VAPOR EXEMPTION: 30% BY WEIGHT, 29% BY VOLUME, 237 G/L

SYNTHETIC ISOPARAFFINIC HYDROCARBON
 IHL-RAT LC50: >290 PPM 3.
 ORL-RAT LD50: >10 G/KG 3.
 SKN-RBT LD50: >3 G/KG 3.
 SKN SENSITIZER: NO 3.
 SKN IRRITATION: SLIGHT 3.
 EYE IRRITATION: SLIGHT 3.

D-LIMONENE
 ORL-RAT LD50: >5 G/KG 3.
 SKN-RBT LD50: >5 G/KG 3.
 SKN-RBT: SEVERELY IRRITATING 3.
 EYE-RBT: SEVERELY IRRITATING 3.

SECTION VII - REACTIVITY DATA

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

	AVOID HEAT, HOT SURFACES, SPARKS OR OPEN FLAMES	

INCOMPATABILITY (MATERIALS TO AVOID) :
 STRONG OXIDIZING AGENTS SUCH AS CHLORINE BLEACH AND CONCENTRATED HYDROGEN PEROXIDE; ACIDS, CLAYS, ALUMINUM CHLORIDE, HALOGENS, IODINE PENTAFLUORIDE, VINYL CHLORIDE PLASTICS, AND RUBBER

HAZARDOUS DECOMPOSITION PRODUCTS
 OXIDES OF CARBON

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

	N/A		

SECTION VIII - SPILL OR LEAK PROCEDURES**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:**

WEAR APPROPRIATE PROTECTIVE CLOTHING. ELIMINATE ALL SOURCES OF IGNITION AND VENTILATE THE AREA. USE ONLY NON-SPARKING EQUIPMENT. USE CARE AS SPILLS MAY BE SLIPPERY. SHUT OFF SOURCE OF LEAK. DIKE AND CONTAIN SPILL. ABSORB WITH AN INERT MATERIAL AND TRANSFER ALL MATERIAL INTO A PROPERLY LABELED CONTAINER FOR DISPOSAL. PREVENT PRODUCT FROM CONTAMINATING SOIL OR FROM ENTERING SEWAGE AND DRAINAGE SYSTEMS AND BODIES OF WATER. FLUSH AREA WITH WATER.

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:**

LOCAL VENTILATION IS RECOMMENDED TO CONTROL EXPOSURE FROM OPERATIONS THAT CAN GENERATE EXCESSIVE LEVELS OF VAPORS OR MISTS. LOCAL VENTILATION IS PREFERRED, BECAUSE IT PREVENTS DISPERSION INTO WORK AREAS BY CONTROLLING IT AT ITS SOURCE.

RESPIRATORY PROTECTION:

NORMALLY NOT NEEDED AT AMBIENT TEMPERATURES. USE SUPPLIED-AIR RESPIRATORY PROTECTION IN CONFINED OR ENCLOSED SPACES, IF NEEDED.

GLOVE PROTECTION:

NEOPRENE OR NITRILE RUBBER GLOVES SHOULD BE WORN.

EYE PROTECTION:

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

OTHER PROTECTION:

WEAR PROTECTIVE CLOTHING WHEN HANDLING. REMOVE SOAKED CLOTHING AND SHOES. WASH CLOTHING AND CLEAN SHOES BEFORE REUSE. A SAFETY SHOWER AND AN EYEWASH STATION SHOULD BE AVAILABLE.

SECTION X - STORAGE AND HANDLING INFORMATION

STORAGE TEMPERATURE	INDOOR	HEATED	REFRIGERATED	OUTDOOR
MAX: 120 F MIN: 35 F	X			

PRECAUTIONS TO BE TAKEN IN HANDLING & STORING

ALWAYS STORE MATERIAL IN ITS ORIGINAL CONTAINER. KEEP THE CONTAINER TIGHTLY CLOSED WHEN NOT IN USE. USE WITH CAUTION AROUND HEAT, SPARKS, PILOT LIGHTS, STATIC ELECTRICITY, AND OPEN FLAME. EMPTY CONTAINERS MAY CONTAIN PRODUCT RESIDUES WHICH MAY EXHIBIT THE HAZARDS OF THE PRODUCT. TO AVOID POSSIBLE EXPLOSION DO NOT PRESSURIZE, CUT, WELD, SOLDER, DRILL, GRIND, OR EXPOSE EMPTY CONTAINERS TO HEAT, HOT SURFACES, SPARKS, OR OPEN FLAMES. GROUND AND BOND CONTAINER WHEN HANDLING NEAR FLAMMABLE VAPORS AND ALL SOURCES OF IGNITION. BULK STORAGE: FOR MAXIMUM PRODUCT LIFE, STORE INDOORS. OUTDOOR STORAGE TIP: STORE CONTAINERS ON THEIR SIDE TO HELP PREVENT WATER ACCUMULATION ON A FLAT END AND CONSEQUENT PRODUCT CONTAMINATION.

OTHER PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN. READ THE ENTIRE LABEL BEFORE USING THE PRODUCT. FOLLOW THE LABEL DIRECTIONS.

SECTION XI - REGULATORY INFORMATION

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

SECTION XII – REFERENCES

1. THRESHOLD LIMIT VALUES FOR CHEMICAL SUBSTANCES AND PHYSICAL AGENTS AND BIOLOGICAL EXPOSURE INDICES, ACGIH, 2004.
 2. OSHA PEL
 3. VENDOR'S MSDS.
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* 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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