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SECTION I - GENERAL INFORMATION

CHEMICAL NAME & SYNONYMS N/A	TRADE NAME & SYNONYMS ONE-BURST
CHEMICAL FAMILY FRAGRANCE MIXTURE	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 4348
EMERGENCY TELEPHONE NUMBER 214-438-1381	

SECTION II- HAZARDOUS INGREDIENTS

THE HAZARDS PRESENTED BELOW ARE THOSE OF THE INDIVIDUAL COMPONENTS.

CHEMICAL NAME (INGREDIENTS) :			
D-LIMONENE			
HAZARD-->COMB/IRR	TLV-->N/E	1.	PEL-->N/E
STEL(TWA)* ->N/E	CAS#-->5989-27-5		2.
CHEMICAL NAME (INGREDIENTS) :			
HYDROTREATED HEAVY NAPHTHA			
HAZARD-->COMB.	TLV-->300PPM	1.	PEL-->400ppm
STEL(TWA)* ->N/E	CAS#-->64742-48-9		2.
CHEMICAL NAME (INGREDIENTS) :			
TRIPROPYLENE GLYCOL METHYL ETHER			
HAZARD-->EYE IRR.	TLV-->N/E	1.	PEL-->N/E
STEL(TWA)* ->N/E	CAS#-->10213-77-1		2.
CHEMICAL NAME (INGREDIENTS) :			
CITRAL			
HAZARD-->COMB./IRR	TLV-->N/E	1.	PEL-->N/E
STEL(TWA)* ->N/E	CAS#-->82031-73-6		2.

ONE-BURST

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SECTION II- HAZARDOUS INGREDIENTS

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CHEMICAL NAME (INGREDIENTS) :			
VANILLA FRAGRANCE			
HAZARD-->FLAM/IRR.	TLV-->N/E	1.	PEL-->N/E
STEL(TWA)* ->N/E	CAS#-->N/E		2.

SECTION III - PHYSICAL DATA

BOILING PT. (FAHRENHEIT)	NOT EST.	SPEC GRAVITY (H2O=1)	:0.815
VAPOR PRESSURE (MM HG).	NOT EST.	COLOR	AMBER
VAPOR DENSITY (AIR=1)	NOT EST.	ODOR	ORANGE-VANILLA
PH @ 100%	N/A	CLARITY	TRANSPARENT
PERCENT VOLATILE BY VOLUME (%)	99.9	EVAPORATION RATE (BU AC = 1)	< 1
SOLUBILITY IN WATER	NEG.		
VISCOSITY	NON-VISCOUS		

SECTION IV - FIRE AND EXPLOSION HAZARD

FLASH POINT (METHOD USED) 113F SETA FLASH	FLAMMABLE LIMITS D-LIMONENE	LEL 0.7%	UEL 6.1%
EXTINGUISHING MEDIA "ALCOHOL" X<-FOAM	X<-CO2	X<-CHEMICAL	X<-WATER SPRAY
SPECIAL FIRE FIGHTING PROCEDURES AS WITH ALL CHEMICAL FIRES WEAR FULL PROTECTIVE GEAR INCLUDING SUPPLIED AIR DEVICE. COOL EXPOSED CONTAINERS WITH WATER TO AVOID RUPTURE IF POSSIBLE			

UNUSUAL FIRE & EXPLOSION HAZARDS  
PRODUCTS OF COMBUSTION INCLUDE OXIDES OF CARBON AND ACRID SMOKE, PHOSGENE, CHLORINE, HYDROGEN CHLORIDE.

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



## THRESHOLD LIMIT VALUE :

NOT ESTABLISHED FOR MIXTURE. SEE SECTION II.

## EFFECTS OF OVEREXPOSURE

- ACUTE - (SHORT TERM EXPOSURE)  
MAY BE IRRITATING TO EYES AND SKIN, CAUSE REDNESS, TEARING, SWELLING, INGESTION OF LARGE QUANTITIES CAN CAUSE NAUSEA, CRAMPS, VOMITING, DIARRHEA. ASPIRATION OF MATERIAL INTO LUNGS CAN CAUSE CHEMICAL PNEUMONITIS WHICH CAN BE FATAL. EXCESSIVE BREATHING OF VAPORS OR SPRAY MIST CAN LEAD TO NASAL AND RESPIRATORY IRRITATION. SKIN CONTACT MAY BE DRYING TO SKIN, CAUSE REDNESS, DISCOMFORT.  
PURPOSFUL ABUSE BY CONCENTRATING AND INHALATION OF VAPOR CAN CAUSE LOSS OF CONSCIOUSNESS, POSSIBLY DEATH.

- CHRONIC - (LONG TERM EXPOSURE)  
MARKED IRRITATION TO EYES, EXCESSIVE OVEREXPOSURE TO THE SKIN CAN CAUSE DERMATITIS AND CHAPPING. SOME STUDIES HAVE INDICATED THAT INGREDIENTS IN THIS PRODUCT COULD CAUSE SENSITIZATION OF SKIN AND RESPIRATORY SYSTEM.  
TARGET ORGANS: EXCESSIVE EXPOSURE TO TRIPROPYLENE GLYCOL METHYL ETHER MAY DAMAGE KIDNEYS, LIVER, BLOOD.

PRIMARY ROUTE OF ENTRY: X&lt;-- INHALATION &lt;-- INGESTION &lt;-- ABSORPTION

## EMERGENCY &amp; FIRST AID PROCEDURES

INHALATION :  
REMOVE FROM AREA TO FRESH AIR. SEEK MEDICAL ATTENTION IF IRRITATION DEVELOPS OR IF BREATHING BECOMES DIFFICULT.

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 ANY IRRITATION DEVELOPS.

SKIN CONTACT :  
WASH AFFECTED AREAS WITH PLENTY OF SOAP AND WATER FOR SEVERAL MINUTES. 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.

NOTES TO PHYSICIAN :  
DO NOT INDUCE VOMITING DUE TO POTENTIAL ASPIRATION HAZARD.

## 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	X<--NO

## ONE-BURST

(CONTINUED)

## SECTION VI - TOXICITY INFORMATION

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D-LIMONENE (MAJOR COMPONENT OF OIL ORANGE TERPENES CAS# 68647-72-3)

IPR-MUS TDLO: 4800MG/KG/SW 3  
ORL-MUS TDLO: 67GM/KG/39W: ETA 3.

CITRAL  
CAN ACT AS SENSITIZER 3.\*  
ORL RAT LD50: 4960 MG/KG 4.

VANILLA FRAGRANCE  
NO TOXIC DATA FOUND

TRIPROPYLENE GLYCOL METHYL ETHER

EYE-RBT 243MG MILD 4.  
ORL-RAT LD50: 3300MG/KG 4.

\* SOME STUDIES INDICATE THAT CITRAL CAN ACT AS A SENSITIZER.  
STUDIES CONDUCTED BY THE FRAGRANCE INDUSTRY INDICATE THAT CITRAL IS NOT A SENSITIZER WHEN DILUTED WITH OTHER SOLVENTS OR FRAGRANCES. 3.

HYDROTREATED HEAVY NAPHTHA  
ORL-RAT LD50: 5G/KG 3.  
SKN-RBT LD50: > 3.16G/KG 3.  
CHRONIC INHALATION HAS CAUSED KIDNEY DAMAGE IN MALE RATS. THE METHOD AND DURATION OF TESTS INDICATE THAT THIS ROUTE OF EXPOSURE IS UNLIKELY FOR HUMAN BEINGS 3.

## SECTION VII - REACTIVITY DATA

STABILITY	X<--STABLE	<--UNSTABLE	CONDITIONS TO AVOID
			AVOID EXPOSURE TO HEAT, SPARKS, AND OPEN FLAMES.

INCOMPATIBILITY (MATERIALS TO AVOID)  
STRONG OXIDIZERS SUCH AS LIQUID CHLORINE, LIQUID OXYGEN AND SODIUM OR CALCIUM HYPOCHLORITES. STRONG ACIDS AND BASES.

HAZARDOUS DECOMPOSITION PRODUCTS  
OXIDES OF CARBON ACRID SMOKE, ALDEHYDES, CHLORINE, PHOSGENE, HYDROGEN CHLORIDE.

HAZARDOUS	WILL NOT OCCUR	MAY OCCUR	CONDITIONS TO AVOID
	X		

POLYMERIZATION N/A

## SECTION VIII - SPILL OR LEAK PROCEDURES

STEPS TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED  
ELIMINATE ALL IGNITION SOURCES. USE ABSORBANT SUCH AS PAPER, VERMICULITE, ETC. TO CONTAIN SPILL. DO NOT FLUSH TO SEWER. PLACE INTO LABELED CONTAINERS.

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

NEUTRALIZING AGENT

NONE

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 REQUIRED VENTILATION  
 LOCAL EXHAUST VENTILATION SUFFICIENT TO MAINTAIN WORKPLACE  
 CONCENTRATION BELOW PERMISSIBLE EXPOSURE LIMITS.  
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RESPIRATORY PROTECTION  
 TYPICAL USE OF PRODUCT DOES NOT REQUIRE THE USE OF A RESPIRATOR.  
 DO NOT OVER APPLY IN SMALL POORLY VENTILATED AREAS.  
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PROTECTIVE GLOVES  
 RUBBER GLOVES IF REPEATED OR PROLONGED  
 SKIN CONTACT IS ANTICIPATED.  
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EYE PROTECTION  
 PROTECTIVE EYEWEAR IF METHOD OF USE PRESENTS  
 THE LIKELIHOOD OF EYE CONTACT.  
 -----

OTHER PROTECTION  
 N/A  
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## SECTION X - STORAGE AND HANDLING INFORMATION

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

PRECAUTIONS TO BE TAKEN IN HANDLING & STORING  
 KEEP AWAY FROM IGNITION SOURCES.  
 KEEP CONTAINER TIGHTLY CLOSED.  
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OTHER PRECAUTIONS  
 KEEP AWAY FROM CHILDREN.  
 READ THE ENTIRE LABEL BEFORE USING THIS PRODUCT.  
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## SECTION XI - REGULATORY INFORMATION

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 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  
 319 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.

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SECTION XI - REGULATORY INFORMATION

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 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  
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## 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.  
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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. VENDOR'S MSDS.  
 4. DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS, 7TH EDITION, N. IRVING  
 SAX AND RICHARD J. LEWIS, SR.  
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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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