

CHEMTRONICS INC.

MSDS #0810

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

COMPANY ADDRESS:
8125 COBB CENTER DRIVE
KENNESAW, GA 30152

PRODUCT INFORMATION: 800-TECH-401
CUSTOMER SERVICE: 800-645-5244

EMERGENCY: (CHEMTREC) 800-424-9300
REVISION DATE: JANUARY 26, 1996
PREPARED BY: GWEN COTTRELL

PRODUCT IDENTIFICATION: LABEL ADHESIVE REMOVER
PRODUCT CODE: ES805

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS#	WT. % RANGE
CITRUS TERPENE	5989-27-5	10.0-30.0
ALIPHATIC HYDROCARBON	64742-47-8	55.0-70.0
NONIONIC SURFACTANT	68412-54-4	0.3-1.5
3-METHOXY-3-METHYL BUTANOL	56539-66-3	2.0-8.0
DEIONIZED WATER	7732-18-5	10.0-25.0
PROPANE/ISOBUTANE	74-98-6/75-28-5	8.0-20.0

SECTION 3: HAZARD IDENTIFICATION

EMERGENCY OVERVIEW: WHITE TO PALE YELLOW FOAM WITH MILD ORANGE CITRUS ODOR.
LIQUID WILL IRRITATE EYES AND SKIN UNDER REPEATED OR PROLONGED EXPOSURE.
BREATHING HIGH CONCENTRATIONS OF PRODUCT VAPOR MAY PRODUCE DROWSINESS AND
A HEADACHE.

POTENTIAL HEALTH EFFECTS:

EYES: LIQUID, AEROSOLS AND VAPORS OF THIS PRODUCT ARE IRRITATING AND CAN
CAUSE PAIN, TEARING, REDDENING AND SWELLING ACCOMPANIED BY A STINGING
SENSATION.

SKIN: PROLONGED CONTACT MAY CAUSE SKIN IRRITATION.

INGESTION: HARMFUL IF SWALLOWED. IRRITATING TO MOUTH, THROAT AND STOMACH.
MAY CAUSE NAUSEA AND VOMITING.

INHALATION: NO HAZARD IN NORMAL INDUSTRIAL USE. VAPORS AND/OR AEROSOLS
MAY BE IRRITATING TO EYES AND RESPIRATORY TRACT.

PRE-EXISTING MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: LUNG, SKIN, EYE.

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SECTION 4: FIRST AID MEASURES

EYES: IMMEDIATELY FLUSH WITH PLENTY OF WATER. AFTER INITIAL FLUSHING,
REMOVE ANY CONTACT LENSES AND CONTINUE FLUSHING FOR AT LEAST 15 MINUTES.
HAVE EYES EXAMINED AND TESTED BY MEDICAL PERSONNEL IF IRRITATION DEVELOPS
OR PERSISTS.

SKIN: WASH SKIN WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. GET
MEDICAL ATTENTION IF IRRITATION DEVELOPS OR PERSISTS. WASH CLOTHING
SEPARATELY BEFORE REUSE.

INGESTION: SWALLOWING LESS THAN AN OUNCE WILL NOT CAUSE SIGNIFICANT HARM.
FOR LARGER AMOUNTS, DO NOT INDUCE VOMITING UNLESS DIRECTED BY MEDICAL
PERSONNEL. GET IMMEDIATE MEDICAL ATTENTION. NEVER GIVE ANYTHING BY MOUTH

TO AN UNCONSCIOUS PERSON.

INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. GET MEDICAL ATTENTION.

SECTION 5: FIRE FIGHTING MEASURES

FLASH POINT: GT 113 F (TCC); FLAME EXTENSION GT 18 IN.

LEL/UEL: 0.7/6.7 (% BY VOLUME IN AIR) (CITRUS TERPENE)

EXTINGUISHING MEDIA: USE ALCOHOL FOAM, CARBON DIOXIDE, OR WATER SPRAY WHEN FIGHTING FIRES INVOLVING THIS MATERIAL.

FIRE FIGHTING INSTRUCTIONS: AS IN ANY FIRE, WEAR SELF-CONTAINED BREATHING APPARATUS (PRESSURE-DEMAND, MSHA/NIOSH APPROVED OR EQUIVALENT) AND FULL PROTECTIVE GEAR.

SECTION 6: ACCIDENTAL RELEASE MEASURES

LARGE SPILLS: SHUT OFF LEAK IF POSSIBLE AND SAFE TO DO SO. WEAR SELF-CONTAINED BREATHING APPARATUS AND APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT. ABSORB SPILL WITH INERT MATERIAL (E.G. DRY SAND OR EARTH), THEN PLACE IN A CHEMICAL WASTE CONTAINER FOR PROPER DISPOSAL. DO NOT FLUSH TO SEWER. AVOID RUNOFF INTO STORM SEWERS AND DITCHES WHICH LEAD TO WATERWAYS. SMALL SPILLS: ABSORB SPILL WITH INERT MATERIAL (E.G. DRY SAND OR EARTH), THEN PLACE IN A CHEMICAL WASTE CONTAINER FOR PROPER DISPOSAL.

SECTION 7: HANDLING AND STORAGE

KEEP OUT OF REACH OF CHILDREN.

AVOID PROLONGED OR REPEATED CONTACT WITH EYES, SKIN, AND CLOTHING. WASH HANDS BEFORE EATING. USE WITH ADEQUATE VENTILATION. AVOID BREATHING PRODUCT VAPOR OR MIST. DO NOT REUSE THIS CONTAINER. STORE IN A COOL DRY PLACE AWAY FROM HEAT, SPARKS AND FLAME. KEEP CONTAINER CLOSED WHEN NOT IN USE. DO NOT STORE IN DIRECT SUNLIGHT.

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

(ALL VALUES LISTED ARE FROM THE ACGIH GUIDE TO OCCUPATIONAL EXPOSURE VALUES - 1994).

EXPOSURE GUIDELINES:

CHEMICAL NAME	ACGIH TWA	OSHA PEL	ACGIH STEL
CITRUS TERPENE	NA	NA	NA
ALIPHATIC HYDROCARBON	NA	NA	300 PPM (EXXON)
NONIONIC SURFACTANT	NA	NA	NA
PROPANE	NA	1,000 PPM	NA
ISOBUTANE	NA	NA	NA

WORK/HYGIENIC PRACTICES: GOOD GENERAL VENTILATION SHOULD BE SUFFICIENT TO CONTROL AIRBORNE LEVELS. LOCAL EXHAUST VENTILATION MAY BE NECESSARY TO CONTROL ANY AIR CONTAMINANTS TO WITHIN THEIR TLV'S DURING THE USE OF THIS PRODUCT. THIS MATERIAL DOES NOT HAVE ESTABLISHED EXPOSURE LIMITS. WEAR A POSITIVE PRESSURE AIR-SUPPLIED RESPIRATOR IN SITUATIONS WHERE THERE MAY BE POTENTIAL FOR AIRBORNE EXPOSURE. WEAR SAFETY GLASSES WITH SIDE SHIELDS (OR GOGGLES) AND A FULL FACE SHIELD. WEAR RUBBER OR OTHER CHEMICALLY RESISTANT GLOVES WHEN HANDLING THIS MATERIAL.

NFPA AND HMIS CODES:	NFPA	HMIS
HEALTH	1	1
FLAMMABILITY	3	3
REACTIVITY	0	0
PERSONAL PROTECTION	-	B

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: FROTHY, WHITE LIQUID
ODOR: MILD ORANGE
PH: 6.8 +/- 0.5
VAPOR PRESSURE (AIR=1): GT 1
VAPOR DENSITY (AIR=1): 0.790
MELTING POINT: NA
SOLUBILITY IN WATER: SOLUBLE
SPECIFIC GRAVITY (WATER=1): 0.85
EVAPORATION RATE (BUTYL ACETATE=1): LT 1
VISCOSITY: 100 CPS (WATER=1)
PERCENT VOLATILE: 99.2
BOILING POINT: 212 F @ 760 MM HG (INITIAL)

SECTION 10: STABILITY AND REACTIVITY

STABILITY: THIS PRODUCT IS STABLE.
CONDITIONS TO AVOID: DO NOT SPRAY NEAR OPEN FLAMES, RED HOT SURFACES OR
OTHER SOURCES OF IGNITION.

INCOMPATIBILITY: DO NOT MIX WITH POWDERED ALKALI AND ALKALINE EARTH METALS
OR STRONG OXIDIZING AGENTS.

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PRODUCTS OF DECOMPOSITION: THERMAL DECOMPOSITION MAY RELEASE CARBON MONOXIDE,
CARBON DIOXIDE AND COMPLETELY BURNED HYDROCARBONS.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR
CONDITIONS TO AVOID: NA

SECTION 11: TOXICOLOGICAL INFORMATION (NIOSH RTECS THROUGH OCTOBER 1995)

INGESTION:
CITRUS TERPENE LD50 RAT GT 5 G/KG
NONIONIC SURFACTANT LD50 RAT 3000 MG/KG
CANCER INFORMATION: NO INGREDIENTS LISTED AS HUMAN CARCINOGENS BY NTP OR IARC

SKIN:
CITRUS TERPENE LD50 RAT GT 5 G/KG
NONIONIC SURFACTANT RABBIT LD50 2830 MG/KG

SECTION 12: ECOLOGICAL INFORMATION

ENVIRONMENTAL IMPACT INFORMATION: AVOID RUNOFF INTO STORM SEWERS AND DITCHES
WHICH LEAD TO WATERWAYS. WATER RUNOFF CAN CAUSE ENVIRONMENTAL DAMAGE.

REPORTING: US REGULATIONS REQUIRE REPORTING SPILLS OF THIS MATERIAL THAT
COULD REACH ANY SURFACE WATERS. THE TOLL FREE NUMBER FOR THE US COAST GUARD
NATIONAL RESPONSE CENTER IS: 1-800-424-8802

ENVIRONMENTAL IMPACT DATA
(PERCENT BY WEIGHT)

CFC	0.0%	VOC	54.7%
HCFC	0.0%	HFC	0.0%
CL. SOLV.	0.0%	ODP	0.00

FOR MORE INFORMATION CALL: 1-800-645-5244

SECTION 13: DISPOSAL CONSIDERATIONS

DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.
WATER RUNOFF CAN CAUSE ENVIRONMENTAL DAMAGE.

SECTION 14: TRANSPORTATION INFORMATION

PROPER SHIPPING NAME

UN	CLASS	SUB.	PKG.	HAZARD	PKG.	MAX.
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	NUMBER	RISK	GROUP	LABEL	INSTR.	QUANTITY
AIR:	AEROSOLS FLAMMABLE, N.O.S.					
	UN 1950 2.1	NA	NA	FLAMMABLE GAS	203	75/150 KG
GROUND:	CONSUMER COMMODITY ORM-D					
	NA NA	NA	NA	ORM-D	PKG AUTH.	173.306

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SECTION 15. REGULATORY INFORMATION

THIS INFORMATION SHOULD BE INCLUDED ON ALL MSDSS COPIED AND DISTRIBUTED FOR THIS MATERIAL.

SECTION 313 SUPPLIER NOTIFICATION:

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 (40 CFR 372).

CHEMICAL NAME	CAS#	WT. % RANGE
CONTAINS NO CHEMICAL INGREDIENTS SUBJECT TO REPORTING UNDER SECTION 313.		

TOXIC SUBSTANCES CONTROL ACT (TSCA): ALL INGREDIENTS OF THIS PRODUCT ARE LISTED ON THE TSCA INVENTORY.

SECTION 16: OTHER INFORMATION

PRODUCT IS A LEVEL 2 AEROSOL. DO NOT PUNCTURE OR INCINERATE CONTAINERS. NORMAL VENTILATION FOR STANDARD MANUFACTURING PRACTICES IS USUALLY ADEQUATE. LOCAL EXHAUST SHOULD BE USED WHEN LARGE AMOUNTS ARE RELEASED.

REFERENCES: 29 CFR 1910.1200 40 CFR 300-700 ANSIZ400.1-1993
NIOSH RTECS PROVIDED BY CHEM-BANK BY SILVERPLATTER
GUIDE TO OCCUPATIONAL EXPOSURE VALUES 1994

TO THE BEST OF OUR KNOWLEDGE, THE INFORMATION CONTAINED HEREIN IS ACCURATE. HOWEVER, ALL MATERIALS MAY PRESENT UNKNOWN HAZARDS AND SHOULD BE USED WITH CAUTION. IN PARTICULAR, IMPROPER USE OF OUR PRODUCTS AND THEIR INAPPROPRIATE COMBINATION WITH OTHER PRODUCTS AND SUBSTANCES MAY PRODUCE HARMFUL RESULTS WHICH CANNOT BE ANTICIPATED. FINAL DETERMINATION OF THE SUITABILITY OF ANY MATERIAL IS THE SOLE RESPONSIBILITY OF THE USER. ALTHOUGH CERTAIN HAZARDS ARE DESCRIBED HEREIN, WE CANNOT GUARANTEE THAT THESE ARE THE ONLY HAZARDS THAT MAY EXIST.

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