

MATERIAL SAFETY DATA SHEET

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HMIS HAZARD RATING	
HEALTH	1
FIRE	1
REACTIVITY	0
PERSONAL PROTECTION	C

DATE OF PREPARATION
FEBRUARY 26, 2008
BY TECHNICAL SERVICES

DATE OF REVIEW/UPDATE

SECTION 1 - PRODUCT IDENTIFICATION

ITEM NUMBER

1931

PRODUCT NAME

TECHNICIAN'S CHOICE TEC651 EXPRESS CITROMAX CLEANER

PRODUCT CLASS

SOLVENT/SURFACTANT BLEND

SECTION 2 - HAZARDOUS INGREDIENTS

INGREDIENT CAS NUMBER	% BY WT.	TLV ¹	PEL ²
LIMONENE 5989-27-5	1-5	NOT ESTABLISHED	
POTASSIUM HYDROXIDE 1310-58-3	1-5	2mg/m3	2mg/m3
2-BUTOXYETHANOL 111-76-2	1-5	25ppm skin	25ppm skin

Listed as IARC, NTP, or OSHA Carcinogen: None

SECTION 3 - PHYSICAL CHARACTERISTICS

BOILING POINT:	>300F
VAPOR PRESSURE(mmHg @ 68F)	UNKNOWN
VAPOR DENSITY(AIR=1)	UNKNOWN
SOLUBILITY IN WATER:	COMPLETE
SPECIFIC GRAVITY:	0.82+/-0.05
% VOLATILE (VOLUME)	99+/-0.2
MELTING POINT:	NOT APPLICABLE
EVAPORATION RATE(WATER=1)	UNKNOWN
APPEARANCE AND ODOR:	ORANGE LIQUID, CITRUS ODOR
pH	13+/- .5

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SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT / METHOD: N/A / PMCC
FLAMMABLE LIMITS: LEL: 0.7% UEL: 6.1%
EXTINGUISHING MEDIA:

Water fog, dry chemicals or carbon dioxide.

SPECIAL FIRE FIGHTING PROCEDURES:

Full protective equipment including self contained breathing apparatus for confined areas.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Vapors are heavier than air. Treat as petroleum fire.
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SECTION 5 - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE:

EYE: Irritation of eyes. Prolonged contact can cause severe irritation, redness, tearing, blurred vision.

SKIN: Dryness, redness and itching or a burning sensation.

INHALATION: Irritation of respiratory system headache, dizziness, nausea, fatigue and loss of coordination are indications of overexposure to vapors or mists.

INGESTION: Gastrointestinal irritation, vomiting, diarrhea.

Aspiration can cause chemical pneumonitis which can be fatal.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

Dermatitis. Limoline has been found to cause or aggravate mild reversible liver and kidney effects in laboratory animals. Alcohol consumption may increase adverse affects. Limoline or a component has caused harm to the fetus in laboratory animals. Harm to the fetus occurred only at exposure levels that harm the pregnant animals. Limoline or a component has been shown by NTP to cause kidney tumors in male rats. The relevance of these findings in humans is uncertain.

EMERGENCY AND FIRST AID PROCEDURES:

INHALATION Remove exposure. Restore breathing. Keep warm and quiet.

SKIN Wash affected area with soap and water. Remove contaminated clothing and launder before reuse.

EYES Flush with large amounts of water. Get medical attention.

IF SWALLOWED Never give anything by mouth to an unconscious person. DO NOT INDUCE VOMITING. Call a physician immediately.

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SECTION 6 - REACTIVITY DATA

STABILITY: Stable
INCOMPATIBILITY: Strong oxidizers
HAZARDOUS DECOMPOSITION PRODUCTS: Various hydrocarbons of incomplete
combustion.
HAZARDOUS POLYMERIZATION: Will not occur.
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SECTION 7 - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR LEAKED:
Remove all sources of ignition. Contain spill. Ventilate and
remove with inert absorbent.

WASTE DISPOSAL METHOD:
Waste from this product is hazardous (D001) as defined by the
Resource Conservation and Recovery Act (RCRA) 40 CFR 261.
Dispose of in accordance with federal, state and local
regulations.
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SECTION 8 - SPECIAL PROTECTION INFORMATION

VENTILATION:
Use only with adequate ventilation. Avoid breathing vapor or mist.
Local exhaust preferred.
RESPIRATORY PROTECTION:
Properly fitted NIOSH/MSHA approved respirator for ingredients
found in (SECTION 2) if TLV is exceeded.
SKIN PROTECTION:
Gloves rated for protection against ingredients in (SECTION 2).
EYE PROTECTION:
Safety glasses with side shields or chemical goggles.
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SECTION 9 - PRECAUTIONARY INFORMATION

PRECAUTIONS TO BE TAKEN IN STORING AND HANDLING:
Keep away from any heat or spark source. Do not smoke. Empty
containers can contain explosive vapors. Never use a torch to cut
or weld on or near container. Never wear oil soaked clothing.
Launder or dry-clean before wearing. Discard oil soaked shoes.
Affix proper warning labels on containers in accordance with 29CFR
1010.1200.

SECTION 10 - REGULATORY INFORMATION

D.O.T. REQUIREMENTS (49CFR 172.101)

NONE

RQ (REPORTABLE QUANTITY) 49CFR 172.101

COMPONENT	RQ (lb.)	FOR THIS PRODUCT
none		

TSCA (Toxic Substances Control Act) Status

The intentional ingredients of this product are listed.

CERCLA RQ - 40CFR 302.4

None

SARA 302 COMPONENTS - 40CFR 355 Appendix A

None

SECTION 311/312 HAZARD CLASS - 40CFR 370.2

Immediate	(X)	Reactive	()
Delayed	(X)	Sudden Release of Pressure	()
Fire	()		

SARA 313 COMPONENTS - 40CFR 372.65

None

WORKPLACE HAZARDOUS INFORMATION SYSTEM (WHMIS)

INGREDIENT	MAX. % BY WT.	LD50	LC50
LIMONENE	7	unknown	unknown
POTASSIUM HYDROXIDE	1	1230mg/kg oral-rat	unknown
2-BUTOXYETHANOL	3	1480mg/kg oral-rat	unknown

The information contained herein is based on data we believe to be correct. Any use of the product which is not in conformance with this MSDS or which involves using the product in combination with any other product or any process is the responsibility of the user.

¹ ACGIH

² OSHA