

# MATERIAL SAFETY DATA SHEET

ECP Incorporated  
4700 South Central Avenue  
Chicago, IL. 60638  
TELEPHONE 708-496-7350  
EMERGENCY 800-424-9300

HMIS HAZARD RATING	
HEALTH	2
FIRE	4
REACTIVITY	0
PERSONAL PROTECTION	C

DATE OF PREPARATION  
SEPTEMBER 19, 2006  
BY TECHNICAL SERVICES

DATE OF REVIEW/UPDATE

## SECTION 1 - PRODUCT IDENTIFICATION

ITEM NUMBER  
**171060**  
PRODUCT NAME  
**TEC99421 TECHNICIAN'S CHOICE TOOL AND PARTS CLEANER**  
PRODUCT CLASS  
Aerosol

## SECTION 2 - HAZARDOUS INGREDIENTS

INGREDIENT CAS NUMBER	% BY WT.	TLV <sup>1</sup>	PEL <sup>2</sup>	VAPOR PRESSURE
HEPTANE 142-82-5	85-90	50ppm	50ppm	127.0
ETHANOL 64-17-5	6-10	400ppm	400ppm	31.2
CARBON DIOXIDE 124-38-9	3-7	5000ppm	5000ppm	

Listed as IARC, NTP, or OSHA Carcinogen: None

## SECTION 3 - PHYSICAL CHARACTERISTICS

BOILING POINT-RANGE: 149-170  
SPECIFIC GRAVITY: 0.68  
VAPOR PRESSURE: 44-125mmHG  
VAPOR DENSITY(AIR=1) 1-1.6  
SOLUBILITY IN WATER: NOT SOLUBLE  
APPEARANCE AND ODOR: CLEAR LIQUID, SLIGHT ALOCOHOL ODOR  
PERCENT VOLITLES: 100%

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SECTION 4 - FIRE AND EXPLOSION HAZARD DATA  
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FLASH POINT (PROPELLANT) / METHOD: < 0 F / (estimated)

**EXTINGUISHING MEDIA:** Dry chemical, foam or carbon dioxide.

**SPECIAL FIRE FIGHTING PROCEDURES:** Full protective equipment including self contained breathing apparatus. Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build up and possible autoignition or explosion when exposed to extreme heat.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Isolate from heat, electrical equipment, sparks, and open flame. closed containers may explode when exposed to extreme heat. Application to hot surfaces requires special precautions. During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

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SECTION 5 - HEALTH HAZARD DATA  
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**EFFECTS OF OVEREXPOSURE:** Exposure may be by INHALATION and/or SKIN or EYE contact, depending on conditions of use. To minimize exposure, follow recommendations for proper use, ventilation, and personal protective equipment.

**ACUTE HEALTH HAZARDS:** Irritation of eyes, skin and respiratory system. May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death.

**SIGNS AND SYMPTOMS OF OVEREXPOSURE:** Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists. Redness and itching or burning sensation may indicate eye or excessive skin exposure.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** Heart and respiratory disorders.

**CHRONIC HEALTH HAZARDS:** Prolonged overexposure to solvent ingredients in (Section 2) may cause adverse effects to the lung, blood, liver, urinary, cardiovascular and reproductive systems. Reports have associated repeated and prolonged overexposure to solvents with permanent brain damage and nervous system damage.

**EMERGENCY AND FIRST AID PROCEDURES:**

**INHALATION:** Remove exposure. Restore breathing. Keep warm and quite.

**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. Seek medical attention.

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SECTION 6 - REACTIVITY DATA  
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STABILITY: Stable  
INCOMPATIBILITY: Strong Oxidizers, strong alkalis,  
strong mineral acids  
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon dioxide.  
HAZARDOUS POLYMERIZATION: Will not occur.

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SECTION 7 - SPILL OR LEAK PROCEDURES  
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**STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR LEAKED:** Remove all sources of ignition. Ventilate and remove with inert absorbent.

**WASTE DISPOSAL METHOD:** Waste from this product may be hazardous as defined by the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers. Do not incinerate. De-pressurize container. Dispose of in accordance with federal, state and local regulations.

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SECTION 8 - SPECIAL PROTECTION INFORMATION  
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**VENTILATION:** Use only with adequate ventilation. Avoid breathing vapor or mist. Local exhaust preferred.

**RESPIRATORY PROTECTION:** If exposure cannot be controlled below the limits in SECTION 2 a properly fitted organic vapor/particle type NIOSH/MSHA approved respirator. Refer to OSHA 1910.94, 1910.107, 1910.108.

**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  
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**DOL STORAGE CATEGORY:** 1A

**PRECAUTIONS TO BE TAKEN IN STORING AND HANDLING:** Contents are extremely flammable. Keep away from any heat or spark source. Vapors will accumulate readily and may ignite explosively. Do not smoke and turn off any source of ignition before use. Consult NFPA CODE. Contents under pressure, do not puncture incinerate or expose container to elevated temperatures that could cause the container to burst. Heat from sunlight, radiators, stoves, hot water or other sources of heat could cause the container to burst.

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SECTION 10 - US FEDERAL REGULATORY INFORMATION

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

DOMESTIC: CONSUMER COMMODITY, ORM-D  
 EXPORT: AEROSOLS DISPENSERS, CLASS 2.1, UN1950, IMCO 9.0,  
 PAGE 9002

**RQ 49CFR 172.101 (REPORTABLE QUANTITY)**

COMPONENT	RQ (lb.)	OF THIS PRODUCT
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**TSCA (Toxic Substances Control Act) Status**

The intentional ingredients of this product are listed.

**CERCLA RQ - 40CFR 302.4**

COMPONENT	RQ (lb.)	OF THIS PRODUCT
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**SARA 302 COMPONENTS - 40CFR 355 Appendix A**

COMPONENT	TPQ (lb.)	RQ (lb.)
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NONE

**SECTION 311/312 HAZARD CLASS - 40CFR 370.2**

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

**SARA 313 COMPONENTS - 40CFR 372.65**

COMPONENT	CAS NUMBER	MAXIMUM PERCENT
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**WORKPLACE HAZARDOUS INFORMATION SYSTEM (WHMIS)**

INGREDIENT	MAX. % BY WT.	LD50	LC50
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**CALIFORNIA PROPOSITION 65**

This product does not contain substances which are on the current Proposition 65 list.

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The information contained herein is based on data we believe to be correct. Any use of the product that 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.

<sup>1</sup> ACGIH

<sup>2</sup> OSHA