



## SAFETY DATA SHEET

### Section 1: Identification

Product Name: Technician's Choice TEC421 Tool and Parts Cleaner  
Product Code: TEC421  
Product Class: Non-Chlorinated Solvent Blend Cleaner  
Manufacturer/Supplier: ECP Incorporated  
11210 Katherine's Crossing, Suite 100  
Woodridge, IL 60517  
Telephone: 630-754-4200  
Emergency Telephone: CHEMTREC 800-424-9300

Date Prepared: July 23, 2009  
Date of Review/Update: May 2, 2015

### Section 2: Hazard Identification

Classification of the chemical in accordance with paragraph (d) of §1910.1200:

#### GHS Hazard Symbols:



GHS Classification: Flammable Liquid 2, Aspiration Toxicity 1, Eye and Skin Irritant 2b,  
Signal Word: Danger

#### GHS Hazard Statements:

H225 Highly flammable liquid and vapor  
H304 May be fatal if swallowed and enters airways  
H315 Causes skin irritation  
H320 Causes eye

#### GHS Precautionary Statements:

P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P202 Do not handle until all safety precautions have been read and understood.  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P233 Keep container tightly closed.  
P235 + P410 Keep cool. Protect from sunlight.  
P261 Avoid breathing dust/fume/gas/mist/vapors/spray.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor/...  
P308 + P313 IF exposed or concerned: Get medical advice/ attention.  
P331 Do NOT induce vomiting.  
P370 + P378 In case of fire: See Section 5 for extinguishing media.  
P501 Dispose of contents/container to appropriate waste disposal facility, in accordance with local, regional, national and international regulations.

#### Signs and Symptoms of Exposure:

Eye: Eye irritant with short-term contact with liquid sprays or mists. Symptoms include stinging, watering, redness, and swelling.  
Skin: Skin irritant. Symptoms include redness, itching, and burning. Repeated or prolonged skin contact can produce moderate irritation (dermatitis).  
Ingestion: Harmful or fatal if swallowed and enters airways. It can be readily absorbed by the stomach and intestinal tract. Symptoms include burning of the mouth, esophagus, nausea, vomiting, dizziness, drowsiness, loss of consciousness, and central nervous system (CNS) effects. Aspiration can be fatal.  
Inhalation: Breathing high concentrations may be harmful. Mist or vapor can irritate the throat and lungs. Breathing this material may cause Central Nervous System depression with symptoms including nausea, headache, dizziness, fatigue, drowsiness, or unconsciousness. Intentional misuse by deliberately concentrating and inhaling this product may be harmful or fatal. Reports have associated repeated and prolonged occupational overexposure to light petroleum products with irreversible brain and nervous system damage (sometimes referred to as "Solvent or Painter's Syndrome").

Medical Conditions Aggravated by Exposure: Dermatitis. Reports have associated repeated and prolonged occupational overexposure to light petroleum products with irreversible brain and nervous system damage (sometimes referred to as "Solvent or Painter's Syndrome").

HMIS Rating: Health - 1 Fire - 4 Reactivity - 0 Personal Protection - C  
0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme

### **Section 3: Composition/Information on Ingredients**

<u>Chemical Name</u>	<u>CAS Number</u>	<u>% Range</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
n-Heptane	142-82-5	>85	Unknown	Skin - 1000ppm
Denatured Ethanol	mixture	<15	400ppm	50ppm 8 hour

### **Section 4: First Aid Measures**

**Eye Contact:** Flush eyes with water for at least 15 minutes. Hold eyelids apart to ensure complete irrigation of the eye and eyelid tissue. If easily accomplished, check for and remove contact lenses. Do not use eye ointment. Seek medical attention.

**Skin Contact:** Remove contaminated shoes and clothing. Flush affected area with large amounts of soap and water. Do not use ointments. Seek medical attention if tissue appears damaged or if pain or irritation persists.

**Ingestion:** Do not induce vomiting. If spontaneous vomiting is about to occur, place victim's head below knees. Place on the left side with head down. Never give anything by mouth to an unconscious person. Do not leave victim unattended. Seek medical attention immediately.

**Inhalation:** Move victim to fresh air. If victim is not breathing, immediately begin rescue breathing. If heart has stopped, immediately begin CPR. If breathing is difficult, 100 percent humidified oxygen should be administered by a qualified individual. Seek medical attention immediately.

Notes to Physician:

**INHALATION:** Inhalation overexposure can produce toxic effects. Monitor for respiratory distress.

**INGESTION:** If ingested, this material presents a significant aspiration and chemical pneumonitis hazard. Induction of emesis is not recommended.

Consider activated charcoal and/or gastric leverage. If patient is obtunded, protect the airway by cuffed endotracheal intubation or by placement of the body in a Trendelenburg and left lateral decubitus position.

### **Section 5: Fire-Fighting Measures**

**Fire and Explosive Properties:** Flash Point: >25°F (> -3.89°C)

**Flammable Limits:** Heptane LEL / UEL: 1.05/6.7 Denatured Ethanol LEL / UEL: 3.3/19.0

**Extinguishing Media:** Carbon dioxide, dry chemical or appropriate foam. Water spray may be used to reduce vapors and to cool fire exposed containers.

**Protective Equipment:** 1B Flammable liquid. Wear clothing and equipment to avoid body contact.

**Auto Ignition Temp:** Heptane: 399°F (204°C), Denatured Ethanol 685°F (363°C)

### **Section 6: Accidental Release Measures**

Steps to be taken if Material is Spilled or Leaked:

Protective clothing and equipment must be worn by cleanup personnel. Contain spill or leakage in suitable container or contain in a holding area. Do not allow drainage to sewers, streams, or storm conduits. Recover with vacuum equipment such as a septic tank truck. Ensure proper disposal in compliance with government requirements and ensure conformity to local disposal regulation. Do not flush to sewer.

### **Section 7: Handling and Storage**

Precautions to be taken in Handling and Storage:

Chemical resistant gloves and safety goggles should be worn when handling in a well-ventilated area. Do not breathe vapor. Avoid contact with eyes, skin, and clothing. Use proper safety equipment. Store under ventilated and dry environment suitable for flammable liquids (OSHA 29CFR1910.106). Store away from ignition sources, temperatures extremes, direct sunlight and incompatible substances.

### **Section 8: Exposure Controls and Personal Protection**

**Ventilation:** Either local exhaust or general room ventilation is usually required. Local exhaust is preferred because it prevents contaminant dispersion into the work area by controlling it at the source.

**Respirator Protection:** If required a properly fitted NIOSH/MSHA approved respirator rated for the hazardous ingredients found in SECTION 3.

**Skin Protection:** Chemical resistant gloves (butyl rubber), aprons, sleeves, head and face protection, and boots should be worn when handling in a well-ventilated area.

**Eye Protection:** Safety goggles should be worn. Chemical splash goggles and/or face shield must be worn when the possibility for eye contact due to splashing or spraying liquid, airborne particles, or vapor. Contact lenses must not be worn. Comply with 29CFR1910.133.

### **Section 9: Physical and Chemical Properties**

<b>Boiling Point:</b>	205°F (>96°C)	<b>Vapor Pressure (mmHg @ 68°F):</b>	40 mmHg
<b>Vapor Density:</b>	3.5	<b>Solubility in Water:</b>	Negligible
<b>Specific Gravity:</b>	0.71 ± 0.01	<b>Melting Point:</b>	< -132°F (< -91°C)
<b>% Volatile:</b>	100%	<b>pH:</b>	Not Applicable
<b>Appearance/Odor:</b>	Clear liquid, mild alcohol odor.		

### **Section 10: Stability and Reactivity**

**Stability:** Material is stable when properly handled and stored.

**Materials to Avoid:** Strong oxidizing agents, acids, alkalis

Hazardous Polymerization: Will not occur.  
Hazardous Decomposition Products: Various hydrocarbons of incomplete combustion.

Conditions to Avoid: Do not allow contact with sources of ignition.

**Section 11: Toxicology Information**

IARC, NTP, OSHA Carcinogen: No known carcinogenic effects towards humans.

**Section 12: Ecological Information**

Not Available

**Section 13: Disposal Considerations**

Waste Disposal: Follow federal, state, local regulations. Do not flush to drain/storm sewer. Contract to authorized disposal service. If permitted incineration may be practical. Recommend recycling.

**Section 14: Transport Information**

D.O.T. REQUIREMENTS (49CFR 172.101): UN1993, Flammable Liquid N.O.S., 3, PG II, (Heptane, Ethanol)

**Section 15: Regulatory Information**

RQ (REPORTABLE QUANTITY) 49CFR 172.101: 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 (X)

SARA 313 COMPONENTS - 40CFR 372.65:: None

**WORKPLACE HAZARDOUS INFORMATION SYSTEM (WHMIS)**

<u>Ingredient</u>	<u>Max. % By Wt.</u>	<u>LD50</u>	<u>LC50</u>
n-Heptane	142-82-5 Mixture >85	Intravenous Rat - 222mg/kg	Inhal Rat - 103gm/m3/4H
Denatured Alcohol	<15	Not Available	Not Available

CALIFORNIA PROPOSITION 65: None

**Section 16: Other Information**

Although the information contained herein is believed to be reliable, it is furnished without warranty of any kind. This information is not intended to be all-inclusive as to the manner and conditions of use, handling, and storage