

# PANNIER CORPORATION

207 Sandusky Street, Pittsburgh, PA 15212-5823 U.S.A.  
412.323.4900  
www.pannier.com



## Material Safety Data Sheet

Revision date:12.15.10

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### 1. Product Identification

**Product Name:** CL TEA 090 Solvent

**Emergency telephone:** INFOTRAC 24-hour telephone # 1-800-535-5053

### 2. Hazards Identification

#### Hazardous components

Component	CAS No.	Quantity
Ethyl acetate	141-78-6	95%

### 3. Special hazards with regard to health and environment

Highly flammable liquid. Irritating to eyes.  
Repeated exposure may cause skin dryness or cracking.  
Vapors may cause drowsiness and dizziness.  
Irritating to eyes and respiratory system. Important skin degreasing properties.  
Can cause dizziness, headache and perceptible trouble. Can cause depression of the central nervous system.

### 4. First Aid Measures

**General Information:** In case of accident or if victim feels sick, seek medical advice immediately (show safety data sheet if possible). Immediately take off all contaminated clothing. If victim is at risk of losing consciousness, position and transport victim on his/her side. A physician should decide which measures to take.

**After inhalation:** In case of accident by inhalation, remove victim to fresh air and keep at rest. Consult physician

**After contact with skin:** After contact with skin, immediately take off all contaminated clothing, and immediately wash skin with plenty of water and soap.

**After contact with eyes:** Take off lenses. Immediately flush eyes with plenty of flowing water for 15 minutes holding eyelids apart. Consult physician.

**After ingestion:** Have the casualty take a rest. Seek immediately medical attention. Have casualty drink some water (200 ml). Do not induce vomiting. NO MILK. NO CASTOR OIL. Seek medical attention.

### 5. Fire Fighting Measures

**Suitable extinguishing media:** Alcohol resistant foam. Carbon dioxide (CO<sub>2</sub>). Dry power. Water fog and water spray.

**Unsuitable extinguishing media:** Water jet

**Special hazards arising from the chemical:** In case of fire may form: Carbon monoxide. Nitrogen oxides (NO<sub>x</sub>). Vapors may form explosive mixtures with air.

**Hazards due to gas formation and/or decomposition products:** Carbon oxide, nitrogen oxide and other by part irritating combustion vapors.

**Protective equipment and precautions for firefighters:** Wear a self-contained breathing apparatus and chemical resistant suit.

### 6. Accidental Release Measures

**Personal precautions:** Avoid sources of ignition. Do not smoke. Provide fresh air. Avoid contact with skin and eyes. Wear suitable gloves. NR (Natural rubber, Natural latex). NBR (Nitrile rubber) limited resistance, Butyl rubber.

**Environmental precautions:** Prevent vapors from developing by covering with damp cloth. Do not allow to enter into sewers, basement or ground water. In case of emergency stem by using appropriate measures. Keep away from sources of ignition. Do not smoke.

**Methods for cleaning up/taking up:** Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Clean with water.

**Additional information:** Product is highly flammable and by part miscible with water.

### 7. Handling and Storage

**Advice on safe handling:** When handling with chemicals, please consider usual precautionary measures. Wear suitable protective clothing, gloves and eye/face protection. Do not leave the container open. Handle open container with care. Keep container tightly closed. If technical suction or ventilation measures are not possible or are insufficient, protective breathing apparatus must be worn. When using do not eat, drink or smoke. Protect skin by using skin protective cream. Wash hands

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when done working with material; at breaks, lunch, shift changes, etc. Keep away from food, drink and animal feeding stuffs. Never clean the skin or the clothes with the preparation!

**Storage conditions:** Store product in a cool, approved area and keep in original container, tightly closed. Air thoroughly. Keep away from sources of ignition and from fire-activating materials. Protect against strong heating and sunshine.

Recommended storage temperature: +15 °C – 25 °C

### 8. **Personal Protection:**

**Respiratory protection:** If technical suction or ventilation measures are not possible or are insufficient, protective breathing apparatus must be worn.

**Hand protection:** Wear impermeable protective gloves ( Butyl rubber). Latex gloves are only resistant to a limited extent.

**Eye protection:** Tightly sealed safety glasses.

**Skin protection:** Carry long-sleeved, flame impeding and anti-static labor safety clothing

**Hygiene measures:** Keep away from food, drink and animal feedingstuffs. Wash hands at breaks and end of day. Do not eat, drink or smoke at work.

### 9. **Physical and Chemical Properties**

Form:	liquid	
Color:	colorless	
Odor	characteristic	
Melting point:	not determined	
Boiling point:	79 – 110°C	
Flash point:	-4°C	
Lower explosion limits:	2.1 vol %	Literature value for Ethyl Acetate
Upper explosion limits:	11.5 vol %	Literature value for Ethyl Acetate
Vapor pressure (at 20°C)	96.8 mbar/20 °C	Literature value for Ethyl Acetate
Density:	~0.9 g/ml	
Viscosity:	0.1-1mm <sup>2</sup> /s	
Water solubility:	By part miscible, 250 g/L	
Miscible in:	Miscible with most of organic solvents	
Solvent contents:	100%	

### 10. **Stability and Reactivity**

**Stability:** Stable

**Conditions to avoid:** High warming > 45°C and / or sunshine.

**Materials to avoid:** Keep away from strong acids and oxidizing and and reducing materials

**Hazardous reactions:** With acids, alkaline solutions, oxidizing and reducing substances.

**Hazardous decomposition products:** Carbon oxide, nitrogen oxide.

### 11. **Toxicological Information**

#### **Acute toxicity**

Acute toxicity, oral rat. LD50: 5620 mg / kg / ethyl acetate

Acute toxicity, dermal rabbit. LD50: 1800 mg / kg / ethyl acetate

Acute toxicity, inhalant rat LC50: 1600 mg/l/4h/ ethyl acetate

**Further information** Repeated or prolonged contact wit the skin may cause skin eruptions and dermatitis. Degreasing effect. Critical amounts can be taken up due to absorption through the skin. Inhalation causes headache, daze, drowsiness and perceptive trouble. Eye contact can cause strong irritation and oedema of the cornea. Can cause liver, kidney and central nervous system injuries. If breathed when swallowed or vomited out, may cause severe lung injuries.

### 12. **Ecological Information**

#### **Ecotoxicity:**

Acute fish toxicity Leuciscus idus: LC50: 270 mg / l / ethyl acetate

Bacterial toxicity: Pseudomonas putida: EC50: 650 mg / l / ethyl acetate

Acute Daphnia toxicity Daphnia magna: LC50: 2306 mg / l / ethyl acetate

### 13. **Disposal Considerations:**

**Contaminated packaging:** Waste disposal according to official state regulations.

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**14. Transport Information**

**Transport regulations cited according to international regulations:**

**Land transport (ADR/RID)**

UN number	1263
ADR/RID class:	3
Classification Code	F1 :
Hazard-no.:	33
Hazard label:	3
ADR/RID packing group:	II
Limited quantity:	LQ6
Description of the goods	PAINT UN 1263

**Inland waterways transport**

UN number	1263
ADR/RID class:	3
Classification Code	F1 :
Hazard label:	3
Packing group:	II
Limited quantity:	LQ6
Description of the goods	PAINT UN 1263

**Remarks**

**Marine transport**

UN number	1263
IMDG code:	3
Marine pollutant	No :
Hazard label:	3
IMDG Packing group:	II
EmS	F-E, S-E
Limited quantity:	5 L
Description of the goods	PAINT UN 1263
Special regulations:	163, 944

**Remarks**

**Air transport**

UN/ID number	1263
ICAO/IATA-DGR	3
Hazard label:	3
ICAO packing group	II
Limited quantity Passenger	1L
IATA-packing instructions – Passenger	305
IATA max quantity – Passenger	5L
IATA packing instructions – Cargo	307
IATA max quantity – Cargo	60L
Description of the goods	PAINT UN 1263

**15. Regulatory Information**

**US EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 302  
 Extremely Hazardous Substance (40 CFR 355, Appendix A)**

None

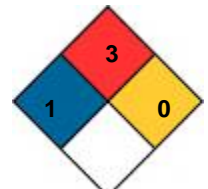
**16. Other Information**

**Hazardous Materials Information Label (HMIS)**

Health:	1
Flammability:	3
Physical Hazard:	0

**NFPA Hazard Ratings**

Health:	1
Flammability:	3
Reactivity	0
Unique Hazard:	Not Applicable



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