



# Safety Data Sheet

## ETHYL ACETATE

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### 1. PRODUCT AND COMPANY IDENTIFICATION

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**Product Name:** Ethyl Acetate ACS

**Synonyms/Generic Names:** None

**Product Number:** CP-BC7844, CP-C7844, CP-B1006, CP-C1006, 2080

**Product Use:** Industrial, Manufacturing or Laboratory use

**Manufacturer:** ChemPure Brand Chemicals  
39103 Warren Road  
Westland, MI 48185

**For More Information Call:** 734-729-1805 (Monday-Friday 8:00-4:30)

**In Case of Emergency Call:** CHEMTREC - 800-424-9300 or 703-527-3887 (24 Hours/Day, 7 Days/Week)

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### 2. HAZARDS IDENTIFICATION

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**OSHA Hazards:** Flammable liquid, Target organ effect, Irritant

**Target Organs:** Blood, Kidneys, Liver, Central nervous system

**Signal Words:** Danger **Pictograms:**



**GHS Classification:**

|  |             |
|--|-------------|
| Flammable liquids                              | Category 2  |
| Acute toxicity, Inhalation                     | Category 5  |
| Eye irritation                                 | Category 2A |
| Specific target organ toxicity-single exposure | Category 3  |

**GHS Label Elements, including precautionary statements:**

**Hazard Statements:**

|      |                                    |
|------|------------------------------------|
| H225 | Highly flammable liquid and vapor. |
| H319 | Causes serious eye irritation.     |
| H333 | May be harmful if inhaled.         |

|                                  |  |
|----------------------------------|--|
| H336                             | May cause drowsiness or dizziness.   |
| <b>Precautionary Statements:</b> |  |
| P210                             | Keep away from heat/sparks/open flames/hot surfaces. - No smoking.   |
| P261                             | Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.  |
| P305+P351+P338                   | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |

#### Potential Health Effects

|                   |  |
|-------------------|--|
| <b>Eyes</b>       | Causes eye irritation.   |
| <b>Inhalation</b> | May be harmful if inhaled. Causes respiratory tract irritation. Vapors may cause drowsiness and dizziness. |
| <b>Skin</b>       | May be harmful if absorbed through skin. Causes skin irritation.   |
| <b>Ingestion</b>  | May be harmful if swallowed.   |

#### NFPA Ratings

|                        |               |
|------------------------|---------------|
| <b>Health</b>          | 1             |
| <b>Flammability</b>    | 3             |
| <b>Reactivity</b>      | 0             |
| <b>Specific hazard</b> | Not Available |

#### HMIS Ratings

|                   |   |
|-------------------|---|
| <b>Health</b>     | 1 |
| <b>Fire</b>       | 3 |
| <b>Reactivity</b> | 0 |
| <b>Personal</b>   | G |

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Component     | Weight % | CAS #    | EINECS# / ELINCS# | Formula                                      | Molecular Weight |
|---------------|----------|----------|-------------------|--|------------------|
| Ethyl Acetate | 100      | 141-78-6 | 205-500-4         | C <sub>4</sub> H <sub>8</sub> O <sub>2</sub> | 88.11 g/mol      |

### 4. FIRST-AID MEASURES

|                   |  |
|-------------------|--|
| <b>Eyes</b>       | In case of eye contact, rinse with plenty of water and seek medical attention.   |
| <b>Inhalation</b> | Move casualty to fresh air and keep at rest. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention. |
| <b>Skin</b>       | Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and wash using soap. Get medical attention.            |
| <b>Ingestion</b>  | <b>Do Not Induce Vomiting!</b> Never give anything by mouth to an unconscious person. If conscious, wash out mouth with water. Get medical attention.      |

### 5. FIRE-FIGHTING MEASURES

|  |   |
|--|---|
| <b>Suitable (and unsuitable) extinguishing media</b>                 | Product is flammable. Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Use appropriate media for adjacent fire. Cool containers with water. |
| <b>Special protective equipment and precautions for firefighters</b> | Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots.   |
| <b>Specific hazards arising from the chemical</b>                    | Emits toxic fumes (carbon oxides) under fire conditions. (See also Stability and Reactivity section).   |

### 6. ACCIDENTAL RELEASE MEASURES

|  |   |
|--|---|
| <b>Personal precautions, protective equipment and emergency procedures</b> | See section 8 for recommendations on the use of personal protective equipment.  |
| <b>Environmental precautions</b>   | Prevent spillage from entering drains. Any release to the environment may be subject to federal/national or local reporting requirements.   |
| <b>Methods and materials for containment and cleaning up</b>               | Neutralize spill with sodium bicarbonate or lime. Absorb spill with noncombustible absorbent material, then place in a suitable container for disposal. Clean surfaces thoroughly with water to remove residual contamination. Dispose of all waste and cleanup materials in accordance with regulations. |

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## 7. HANDLING AND STORAGE

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### Precautions for safe handling

See section 8 for recommendations on the use of personal protective equipment. Use with adequate ventilation. Wash thoroughly after using. Keep container closed when not in use. Avoid formation of aerosols.

### Conditions for safe storage, including any incompatibilities

Store in cool, dry well ventilated area. Keep away from incompatible materials (see section 10 for incompatibilities).

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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### Occupational exposure controls:

| Component     | Exposure Limits                   | Basis | Entity |
|---------------|-----------------------------------|-------|--------|
| Ethyl Acetate | 400 ppm<br>1440 mg/m <sup>3</sup> | TLV   | ACGIH  |
|               | 400 ppm<br>1440 mg/m <sup>3</sup> | PEL   | OSHA   |
|               | 400 ppm<br>1440 mg/m <sup>3</sup> | REL   | NIOSH  |

TWA: Time Weighted Average over 8 hours of work.

TLV: Threshold Limit Value over 8 hours of work.

REL: Recommended Exposure Limit

PEL: Permissible Exposure Limit

STEL: Short Term Exposure Limit during x minutes.

IDLH: Immediately Dangerous to Life or Health

WEEL: Workplace Environmental Exposure Levels

CEIL: Ceiling

### Personal Protection

|                   |   |
|-------------------|---|
| <b>Eyes</b>       | Wear chemical safety glasses or goggles.  |
| <b>Inhalation</b> | Provide local exhaust, preferably mechanical. If exposure levels are excessive, use an approved respirator. |
| <b>Skin</b>       | Wear nitrile or rubber gloves, apron or lab coat.   |
| <b>Other</b>      | Not Available   |

**Other Recommendations**

Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

|   |   |
|---|---|
| Appearance (physical state, color, etc.)    | Clear, colorless liquid.  |
| Odor  | Ethereal. Fruity.   |
| Odor threshold                              | 3.9 ppm   |
| pH  | Not Available   |
| Melting point/freezing point                | -83°C (-117.4°F)  |
| Initial boiling point and boiling range     | 77°C (170.6°F)  |
| Flash point                                 | CLOSED CUP: -4.4°C (24.1°F)<br>OPEN CUP: 7.2°C (45°F)                       |
| Evaporation rate                            | Not Available   |
| Flammability (solid, gas)                   | Flammable   |
| Upper/lower flammability or explosive limit | LOWER: 2.2% UPPER: 9%   |
| Vapor pressure                              | 97.3 hPa (73 mmHg) at 20°C (68°F)   |
| Vapor density                               | 3.04 (Air = 1)  |
| Density                                     | 0.902 (Water = 1)   |
| Solubility (ies)                            | Soluble in cold water, hot water, diethyl ether, acetone, alcohol, benzene. |
| Partition coefficient: n-octanol/water      | log Pow: 0.73   |
| Auto-ignition temperature                   | 427°C (800.6°F)   |
| Decomposition temperature                   | Not Available   |

**10. STABILITY AND REACTIVITY**

|   |   |
|---|---|
| <b>Chemical Stability</b>                 | Stable  |
| <b>Possibility of Hazardous Reactions</b> | Will not occur.   |
| <b>Conditions to Avoid</b>                | Heat, flames and sparks. Extremes of temperature and direct sunlight. |
| <b>Incompatible Materials</b>             | Strong oxidizing agents, acids, alkalis.                              |
| <b>Hazardous Decomposition Products</b>   | Carbon oxides.  |

**11. TOXICOLOGICAL INFORMATION****Acute Toxicity**

|                    |  |
|--------------------|--|
| <b>Skin</b>        | LD50 Dermal - rabbit - > 180,000 mg/kg       |
| <b>Eyes</b>        | Not Available                                |
| <b>Respiratory</b> | LC50 Inhalation - mouse - 2 h - 45,000 mg/m3 |
| <b>Ingestion</b>   | LD50 Oral - rat - 5,620 mg/kg                |

**Carcinogenicity**

|             |  |
|-------------|--|
| <b>IARC</b> | No components of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. |
|-------------|--|

|              |   |
|--------------|---|
| <b>ACGIH</b> | No components of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH. |
| <b>NTP</b>   | No components of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.      |
| <b>OSHA</b>  | No components of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.  |

### Signs & Symptoms of Exposure

|                    |   |
|--------------------|---|
| <b>Skin</b>        | Irritation, redness, itchiness.   |
| <b>Eyes</b>        | Irritation, redness, watering eyes, itchiness.  |
| <b>Respiratory</b> | Irritation, coughing, wheezing.   |
| <b>Ingestion</b>   | Irritation, nausea, vomiting, diarrhea. (mild central nervous system depression - exhilaration, talkativeness, boastfulness, belligerency, vertigo, diplopia, drowsiness, slurred speech, slowed reaction time, dizziness, lightheadedness, somnolence, ataxia, unconsciousness, irritability, fatigue, sleep disturbances, reduced memory and concentration, stupor. |

|                                       |  |
|---------------------------------------|--|
| <b>Chronic Toxicity</b>               | Not Available  |
| <b>Teratogenicity</b>                 | Not Available  |
| <b>Mutagenicity</b>                   | May affect genetic material.                                       |
| <b>Embryotoxicity</b>                 | Not Available  |
| <b>Specific Target Organ Toxicity</b> | May cause drowsiness or dizziness (single exposure).               |
| <b>Reproductive Toxicity</b>          | May cause adverse reproductive effects. based on animal test data. |

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## 12. ECOLOGICAL INFORMATION

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### Ecotoxicity

|                             |   |
|-----------------------------|---|
| <b>Aquatic Vertebrate</b>   | LC50 - Oncorhynchus mykiss (rainbow trout) - 350.00 - 600.00 mg/l - 96 h<br>LC50 - Pimephales promelas (fathead minnow) - 220.00 - 250.00 mg/l - 96 h |
| <b>Aquatic Invertebrate</b> | EC50 - Daphnia magna (Water flea) - 2,300.00 - 3,090.00 mg/l - 24 h<br>LC50 - Daphnia magna (Water flea) - 560 mg/l - 48 h                            |
| <b>Terrestrial</b>          | EC50 - Algae - 4,300.00 mg/l - 24 h<br>EC50 - Selenastrum - 1,800.00 - 3,200.00 mg/l - 72 h   |

|                                      |               |
|--------------------------------------|---------------|
| <b>Persistence and Degradability</b> | Not Available |
| <b>Bioaccumulative Potential</b>     | Not Available |
| <b>Mobility in Soil</b>              | Not Available |
| <b>PBT and vPvB Assessment</b>       | Not Available |
| <b>Other Adverse Effects</b>         | Not Available |

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## 13. DISPOSAL CONSIDERATIONS

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|                           |  |
|---------------------------|--|
| <b>Waste Residues</b>     | Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies if necessary before disposing of waste product container. |
| <b>Product Containers</b> | Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies if necessary before disposing of waste product container. |

The information offered in section 13 is for the product as shipped. Use and/or alterations to the product may significantly change the characteristics of the material and alter the waste classification and proper disposal methods.

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## 14. TRANSPORTATION INFORMATION

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|                  |                                 |
|------------------|---------------------------------|
| US DOT           | UN1173, Ethyl acetate, 3, pg II |
| TDG              | UN1173, ETHYL ACETATE, 3, pg II |
| IMDG             | UN1173, ETHYL ACETATE, 3, pg II |
| Marine Pollutant | No                              |
| IATA/ICAO        | UN1173, Ethyl acetate, 3, pg II |

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## 15. REGULATORY INFORMATION

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|                           |   |
|---------------------------|---|
| TSCA Inventory Status     | All ingredients are listed on the TSCA inventory.                         |
| DSCL (EEC)                | All ingredients are listed on the DSCL inventory.                         |
| California Proposition 65 | Not Listed  |
| SARA 302                  | Not Listed  |
| SARA 304                  | Not Listed  |
| SARA 311                  | Ethyl Acetate   |
| SARA 312                  | Ethyl Acetate   |
| SARA 313                  | Not Listed  |
| WHMIS Canada              | CLASS B-2: Flammable liquid with a flash point lower than 37.8°C (100°F). |

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## 16. OTHER INFORMATION

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| Revision   | Date       |
|------------|------------|
| Revision 1 | 07-18-2012 |
| Revision 2 | 11-04-2021 |
|            |            |

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