UN GHS REVISION 7

# Safety Data Sheet
# Ethyl Acetate

Version 1.0, Date of issue: 2026-07-13

## SECTION 1: Identification

### 1.1 GHS Product identifier

| | |
|---|---|
| **Product name** | Ethyl Acetate |
| **Product number** | C01141-00500, C01141-02500, C01142-01000, C01142-02500 |
| **Brand** | Hurstchem |
| **Other means of identification** | Acetic acid ethyl ester, Vinegar Naphtha, Ethyl Ethanoate |

### 1.3 Recommended use of the chemical and restrictions on use

Laboratory reagent

### 1.4 Supplier's details

| | |
|---|---|
| **Name** | Hurst Scientific |
| **Address** | 2 Transit Place, 6112 Forrestdale WA, Australia |
| **Telephone** | 1300 778 068 |
| **email** | sales@hurstscientific.com.au |

### 1.5 Emergency phone number

Australian Poisons Information Centre 13 11 26
Australian Emergency Services 000

## SECTION 2: Hazard identification

**General hazard statement**

Classified as a Hazardous substance according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

Classified as Dangerous goods according to the ADG Code for the Transport of Dangerous Goods by Road and Rail (7th Edition).

### 2.1 Classification of the substance or mixture

**GHS classification in accordance with: UN GHS revision 7**

- Flammable Liquid, Cat. 2
- Serious Eye Damage/Irritation, Cat. 2A
- STOT – Single Exposure (narcotic effects), Cat. 3

### 2.2 GHS label elements, including precautionary statements

**Pictograms**

1. Flame; 2. Exclamation mark

**Signal word**

**Danger**

**Hazard statement(s)**

| | |
|---|---|
| **H225** | Highly flammable liquid and vapour. |
| **H319** | Causes serious eye irritation. |
| **H336** | May cause drowsiness or dizziness. |

**Precautionary statement(s)**

| | |
|---|---|
| **P210** | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| **P240** | Ground and bond container and receiving equipment. |
| **P241** | Use explosion-proof electrical/ventilating/lighting equipment. |
| **P242** | Use non-sparking tools. |
| **P243** | Take action to prevent static discharges. |
| **P261** | Avoid breathing dust/fume/gas/mist/vapours/spray. |
| **P264** | Wash hands thoroughly after handling. |
| **P271** | Use only outdoors or in a well-ventilated area. |
| **P280** | Wear protective gloves/protective clothing/eye protection/face protection. |
| **P303+P361+P353** | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. |
| **P304+P340** | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. |
| **P305+P351+P338** | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| **P312** | Call a POISON CENTRE/doctor if you feel unwell. |
| **P337+P313** | If eye irritation persists: Get medical advice/attention. |
| **P370+P378** | In case of fire: Use appropriate extinguishing media for the surrounding fire. |
| **P403+P233** | Store in a well-ventilated place. Keep container tightly closed. |
| **P403+P235** | Store in a well-ventilated place. Keep cool. |
| **P405** | Store locked up. |
| **P501** | Dispose of contents/container in accordance with local regulations. |

### 2.3 Other hazards

No information available on PBT / vPvB status or endocrine disrupting properties.

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

**Hazardous components**

| Component | Concentration |
|---|---|
| **Ethyl acetate (CAS: 141-78-6)** | **100%** |
| **CLASSIFICATIONS:** Flammable Liquid, Cat. 2; Serious Eye Damage/Irritation, Cat. 2A; STOT – Single Exposure (narcotic effects), Cat. 3. **HAZARDS:** H225 - Highly flammable liquid and vapour; H319 - Causes serious eye irritation; H336 - May cause drowsiness or dizziness. | |

## SECTION 4: First-aid measures

### 4.1 Description of necessary first-aid measures

**Eye contact**

Flush eyes with copious amounts of water for at least 15 minutes. If irritation develops or persists, seek medical attention.

**Skin contact**

Remove contaminated clothing and wash affected area with soap and water thoroughly. If irritation develops, seek medical attention.

**Inhalation**

Evacuate to fresh air immediately. If unconscious, place in recovery position and provide artificial respiration if breathing ceases. Seek medical attention.

**Ingestion**

DO NOT induce vomiting. Wash mouth out with copious amounts of water and seek medical attention.

**First-aid facilities**

Eye wash station, safety shower and First Aid kit.

### 4.2 Most important symptoms and effects, both acute and delayed

The most important symptoms and effects are described in Section 2 (hazard statements) and Section 11 (toxicological information).

### 4.3 Indication of immediate medical attention and special treatment needed

Treat symptomatically. For advice, contact the Poisons Information Centre (Australia 13 11 26; New Zealand 0800 764 766) or a doctor.

## SECTION 5: Fire-fighting measures

### 5.1 Suitable extinguishing media

Alcohol-resistant foam, dry chemical powder, carbon dioxide or water spray. Do not use water jets. Keep containers cool with water spray.

### 5.2 Specific hazards arising from the chemical

Vapour is heavier than air and may travel along the ground to distant ignition sources and flash back. Vapours may form explosive mixtures with air. Combustion may produce toxic and irritating gases, including oxides of carbon.

### 5.3 Special protective actions for fire-fighters

Fire fighters should wear self-contained breathing apparatus (SCBA) operated in positive-pressure mode and full protective clothing. Fight the fire from a safe location. Use of water spray may be inefficient. If safe to do so, move containers from the fire area and cool them with flooding quantities of water until well after the fire is out. Prevent firefighting runoff from entering waterways, drains and sewers. Contain and collect fire-control water for later disposal.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Avoid contact with skin and eyes. Wear suitable protective equipment (see Section 8). Evacuate non-essential personnel from the area. Remove all sources of ignition. Vapours may accumulate in low-lying areas and form explosive concentrations.

### 6.2 Environmental precautions

Prevent the spill from entering drains, sewers and waterways. In the event of a major spill, contain the material and notify the relevant authorities.

### 6.3 Methods and materials for containment and cleaning up

Contain the spill and prevent entry into drains, sewers and waterways. Absorb with inert absorbent material (e.g. sand, vermiculite or earth) and transfer to a suitable, labelled container for disposal. Rinse the affected area with water. Dispose of in accordance with Section 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Avoid contact with eyes, skin and clothing. Use only with adequate ventilation. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Keep away from heat, sparks, open flame and other ignition sources — No smoking. Use flameproof electrical equipment and non-sparking tools. Bond and ground containers during transfer to prevent static discharge. Empty containers retain flammable residue — do not cut, weld or drill.

### 7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well-ventilated area. Keep containers tightly closed and upright when not in use. Store away from incompatible materials (see Section 10). Inspect containers regularly for damage or leaks. Store in an area approved for flammable liquids (cabinet or purpose-built store), away from heat, ignition sources and direct sunlight; storage areas must be No Smoking. Vapour is heavier than air — beware accumulation in pits and confined spaces.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

**Ethyl acetate** (CAS: 141-78-6)
AU/SWA (AU): TWA: 200 ppm (720 mg/m³); STEL: 400 ppm (1440 mg/m³)

### 8.2 Appropriate engineering controls

Ensure an adequate ventilation or exhaust system is in place.

### 8.3 Individual protection measures, such as personal protective equipment (PPE)

#### Eye/face protection

The use of a face shield, chemical goggles or safety glasses with side shield protection as appropriate. Must comply with Australian Standard AS 1337 and be selected and used in accordance with AS 1336.

#### Skin protection

Clean impervious clothing should be worn. Clothing for protection against chemicals should comply with AS 3765 Clothing for Protection Against Hazardous Chemicals.

#### Hand protection

Use occupational protective gloves complying with AS 2161 (Selection, Use and Maintenance).

#### Respiratory protection

If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable vapour/mist filter should be used. Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices.

## SECTION 9: Physical and chemical properties

### Basic physical and chemical properties

| | |
|---|---|
| Physical state | Liquid |
| Appearance | Colourless liquid |
| Colour | No data available |
| Odour | Ether-like, fruity |
| Odour threshold | No data available |
| Melting point/freezing point | -84°C |
| Boiling point or initial boiling point and boiling range | 77°C |
| Flammability | No data available |
| Lower and upper explosion limit/flammability limit | No data available |
| Flash point | -4 °C [Closed cup] |
| Explosive properties | No data available |
| Auto-ignition temperature | No data available |
| Decomposition temperature | No data available |
| Oxidising properties | No data available |
| pH | No data available |
| Kinematic viscosity | No data available |
| Solubility | 80 g/L in water 25°C |
| Partition coefficient n-octanol/water (log value) | No data available |
| Vapour pressure | 98.3 hPa (@ 20 °C) |
| Evaporation rate | No data available |
| Density and/or relative density | 0.9003 g/mL |
| Relative vapour density | No data available |
| Particle characteristics | No data available |
| Supplemental information regarding physical hazard classes | No data available |
| Further safety characteristics (supplemental) | No data available |

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Reacts with strong oxidants; This generates fire and explosion hazard. Reacts violently with strong bases and strong acids. Attacks rubber and some forms of plastic.

### 10.2 Chemical stability

Stable under normal conditions of use.

### 10.3 Possibility of hazardous reactions

None under normal use conditions.

### 10.4 Conditions to avoid

Incompatible/reactive with strong oxidisers, alkalis and acids.

### 10.5 Incompatible materials

Incompatible/reactive with strong oxidisers, alkalis and acids.

### 10.6 Hazardous decomposition products

Fire/decomposition will produce irritating, corrosive and/or toxic gases, including Carbon oxides.

## SECTION 11: Toxicological information

**Information on toxicological effects**

**Acute toxicity**
No data available.

**Skin corrosion/irritation**
Not expected to be a skin irritant.

**Serious eye damage/irritation**
Causes serious eye irritation.

**Respiratory or skin sensitisation**
Not expected to be a respiratory or skin sensitiser.

**Germ cell mutagenicity**
Not considered to be a mutagenic hazard.

**Carcinogenicity**
Not considered to be a carcinogenic hazard.

**Reproductive toxicity**
Not considered to be toxic to reproduction.

**Specific target organ toxicity (STOT) - single exposure**
May cause drowsiness or dizziness.

**Specific target organ toxicity (STOT) - repeated exposure**
Not expected to cause toxicity to a specific target organ through repeated exposure.

**Aspiration hazard**
Not expected to be an aspiration hazard.

## SECTION 12: Ecological information

**Toxicity**
LC50, Fish (Pimephales promelas): 230 mg/L (96 h)

**Persistence and degradability**
The material is readily biodegradable

**Bioaccumulative potential**
No data available

**Mobility in soil**
No data available

**Results of PBT and vPvB assessment**
No data available

**Endocrine disrupting properties**
No data available

**Other adverse effects**
No data available

## SECTION 13: Disposal considerations

**Product disposal**

Dispose of in accordance with local authority guidelines.

**Packaging disposal**

Dispose of in accordance with local authority guidelines. Empty containers may retain product residue and vapour. Do not cut, weld, braze, solder, drill or reuse containers.

**Waste treatment**

Dispose of in accordance with local authority guidelines.

**Sewage disposal**

Do not contaminate drains and waterways.

**Other disposal recommendations**

Do not discharge this material into waterways, drains and sewers. Empty containers retain liquid and/or vapour residue and are not to be pressure cut, welded, brazed, soldered, drilled or exposed to heat, flame, sparks, electricity or any other source of ignition. Rinse containers thoroughly with cold water when empty.

## SECTION 14: Transport information

**ADG (Australian Dangerous Goods Code, 7th Edition)**

| | |
|---|---|
| **UN Number** | UN1173 |
| **Proper shipping name** | ETHYL ACETATE |
| **Transport hazard class** | 3 |
| **Packing group** | II |
| **Hazchem code** | ●3YE |
| **Environmental hazards** | Not classified |

**IMDG (International Maritime Dangerous Goods Code)**

| | |
|---|---|
| **UN Number** | UN1173 |
| **Proper shipping name** | ETHYL ACETATE |
| **Transport hazard class** | 3 |
| **Packing group** | II |
| **Marine pollutant** | No |

**IATA (International Air Transport Association Dangerous Goods Regulations)**

| | |
|---|---|
| **UN Number** | UN1173 |
| **Proper shipping name** | ETHYL ACETATE |
| **Transport hazard class** | 3 |
| **Packing group** | II |

## SECTION 15: Regulatory information

**15.1 Safety, health and environmental regulations specific for the product in question**

**Ethyl acetate (CAS: 141-78-6)**

Australia SUSMP — Poison Schedule: Not Scheduled (NS)

**15.2 Chemical safety assessment**

No chemical safety assessment has been carried out for this product.

## SECTION 16: Other information

### 16.1 Further information/disclaimer

**References**


1. Safe Work Australia, Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice, (June 2023).
2. Safe Work Australia, National Code of Practice for the Labelling of Workplace Hazardous Chemicals (2015).
3. Safe Work Australia, Workplace Exposure Standards for Airborne Contaminants (2013).
4. National Transport Commission Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code), Volume 1, Edition 7.9 (2023).
5. Standards Australia, Dangerous Goods Initial Emergency Response Guide: Australian Handbook (SAA/SNZ HB76); Homebush (2004).


### 16.2 Preparation information

This SDS is prepared in accordance with the Safe Work Australia, Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice, (June 2023). The information contained within is believed to be accurate at the date of preparation/review. Hurst Scientific makes no claims of the accuracy or completeness of the information and excludes all liability for any loss or damage related to the supply or use of the information in this safety data sheet. It is recommended the user make their own determinations as to the suitability of the information provided to the application in which the product is to be used. Copyright © 2026 Hurst Scientific