

SAFETY DATA SHEET

1. IDENTIFICATION

Product Name: *ETHYL ACETATE*

Recommended Use: Industrial application, solvent, cosmetic agents, coating

Supplier: TMK Packers Ltd

Address: 2/20 Trugood Drive, East Tamaki.
PO Box 258 031, Botany, Manukau 2163

Telephone: (+64) 9 273 3753

Website: www.tmkpackers.co.nz

Emergency phone: 0800 273 327 (24 Hr, TMK Packers)

National Poisons Centre: 0800 POISON [0800 764 766]

2. HAZARDS IDENTIFICATION

This product is classified as hazardous under GHS (7th revised edition) in accordance with the New Zealand Hazardous Substances (Hazard Classification) Notice 2020.

GHS Classifications: flammable liquids Category 2, Eye irritation Category 2, Specific target organ toxicity (repeated exposure) Category 2



Signal word: DANGER

Hazard Statements:

H225 Highly flammable liquid and vapour.

H320 Causes eye irritation.

H373 May cause damage to organs through prolonged or repeated exposure

Prevention Statements:

P102 Keep out of reach of children.

P103 Read label before use.

P210 Keep away from heat, sparks, open flames and hot surfaces. No smoking.

P233 Keep container tightly closed.

P240 Ground container and receiving equipment.

P241 Use explosion-proof equipment.

P242 Use non-sparking tools.

P243 Take precautionary measures against static discharge.

P260 Do not breathe dust/fume/gas/mist/vapours/spray

P264 Wash hands thoroughly after handling.

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P280 Wear protective clothing, gloves and eye protection

Response Statements:

P101 If medical advice is needed, have product container or label at hand.

P303 + P361 + P353 IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P314 Get medical advice/attention if you feel unwell.

P337 + P313 If eye irritation occurs: Get medical advice.

P370 + P378 in case of fire: Stop leak if safe to do so.

Storage Statements:

P403 + P235 Store in a well-ventilated.

P405 Store locked up.

Disposal Statement:

P501 Dispose of product and containers in accordance with local regulation



3. COMPOSITION: Information on Ingredients

Chemical Ingredient	CAS No.	Proportion (%)
Ethyl Acetate	141-78-6	100

4. FIRST AID MEASURES

For advice, contact National Poisons Centre (0800 POISON; 0800 764 766) or a doctor.
Have product container or label available.

Swallowed

If swallowed, do NOT induce vomiting. Rinse mouth. Where there is risk of vomiting, lean person forward or place on left side to avoid aspiration of product into lungs. Obtain immediate medical attention.

Skin Contact

If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Irritation persists, get medical attention.

Eye Contact

Hold eyelids apart and flush the eye continuously with running water. Continue flushing for at least 15 minutes. Remove contact lenses if present and easy to do, after the first 5 minutes and continue rinsing. Get medical attention if irritation persists.

Inhalation

Move the victim to fresh air immediately. Keep warm and at rest until recovered. Get medical attention if symptoms continue. Begin artificial respiration if breathing has stopped. Get immediate medical attention.

First Aid facilities

Provide eye baths and safety showers close to areas where splashing may occur.

Medical Attention

Treat according to symptoms. Gastric lavage may be indicated if ingested. Any product aspirated during vomiting may produce lung injury.

5. FIRE FIGHTING MEASURES

Flashpoint: -4.5°C
Flammable limits: LFL : not available UFL: not available
Extinguishing media: Dry chemical or foam.

Fire & Explosion hazards:

Liquid and vapours are highly flammable. Do not breathe smoke, gases or vapours generated in a fire.

Firefighting Equipment: Full protective clothing and self-contained breathing apparatus (SCBA).

In event of fire:

- Alert Fire Bridge (111); advise the location and nature of hazard.
- Wear breathing apparatus and protective gloves.
- Shut off product that may 'fuel' a fire if safe to do so.



- If safe, switch off electrical equipment until vapour hazard removed.
- Allow trained personnel to attend a fire in progress, providing fire-fighters with this Safety Data Sheet.
- Prevent product and extinguishing media from escaping to drains and waterways.

Hazards from combustion products: Carbon dioxide, carbon monoxide.

Hazchem Code: 3YE

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures & Containment:

Refer to "Fire Fighting Measures", "First Aid Measures" and "Stability and Reactivity".

Minor spills

- Remove or eliminate all ignition sources.
- Clean up spills immediately.
- Avoid breathing vapours and contact with skin and eyes. Wear personal protective equipment.
- Contain and absorb small quantities with vermiculite or other absorbent material.
- Collect residues and waste material in a labelled container suitable for flammables.
- Seal container and dispose of safely

Major spills

- Clear area of personnel and move upwind.
- Alert Fire Bridge (111); advise the location and nature of hazard. Wear breathing apparatus plus protective gloves.
- Eliminate or isolate sources of ignition, naked lights. No smoking.
- Stop leaking if safe to do so.
- Contain spill with sand, earth or vermiculite.
- Prevent by any means available, spillage from entering drains, sewers, watercourses, or low-lying areas.
- Increase ventilation.
- Water spray or fog may be used to disperse/absorb vapour.
- Use only spark-proof tools, e.g. shovels, and explosion proof equipment, e.g. pumps. Collect recoverable products into labeled containers for recycling.
- Absorb remaining product with sand, earth or vermiculite. Collect solid residues and seal in labelled drums for disposal/
- Wash area and prevent run off into drains.
- If contamination of drains or waterways occurs, advise Emergency Services and Local or Regional authority

7. HANDLING AND STORAGE

Precautions for safe handling:

Read product label before use. This product is highly flammable. Do not open near open flame, sources of heat or ignition. No smoking. Keep container closed. Handle containers with care. Open slowly to control possible pressure release. Material will accumulate static discharge. Use grounding leads to avoid discharge (electrical spark) spark-free tools and equipment suitable for flammables. Do not use plastic buckets. Use outdoors or in well-ventilated area. Wear personal protective equipment. Wash hands with soap and water after handling. Wash protective clothing separate to household laundry.



Conditions for safe storage:

Keep out of reach of children. Store in a cool, dry place away from direct sunlight. This product will fuel a fire in progress. Check containers periodically for leaks or distortion.

Incompatible materials:

Natural rubber, butyl rubber, EDPM, polystyrene.

8. EXPOSURE CONTROLS: PERSONAL PROTECTION

Health Exposure Standards:

A Workplace Exposure Standard (WES) have been set by Worksafe New Zealand for this product.

WES-TWA

WES-STEL

Ethyl Acetate

400 ppm (205 mg/m³)

300 ppm (307 mg/m³)

Biological limit values: None established.

Engineering Controls:

Ventilation:

Use product outdoors or in well-ventilated area. If using product in commercial or industrial situations the use of local exhaust ventilation is recommended to control emissions near the source. Provide mechanical ventilation in confined spaces. Use explosion-proof ventilation equipment.

Personal Protective Equipment:

Respiratory Protection: If using product in commercial or industrial situations where concentrations in air may exceed the limits described in the Workplace Exposure Standards, it is recommended to use a half-face filter mask to protect from overexposure by inhalation. A type "A" filter material is considered suitable for this product.

Eye Protection: Protect eyes from splashes, aerosols or vapour. If using product in commercial or industrial situations always use safety glasses with side shield, or goggles. Avoid wearing contact lenses.

Skin/ Body Protection:

If using product in commercial or industrial situations, wear chemical resistant gloves, e.g. PVC, nitrile rubber, also safety footwear or safety gumboots, e.g. rubber. Always wear long sleeves and long trousers or coveralls; PVC apron.

9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Unit of measurement	Typical value
Appearance	-	Clear colourless liquid
Odour	-	Solvent
Flash Point	°C	-4.5 °C
Specific gravity @ 20°C	g/ml	0.899-0.903
Vapour Pressure @ 20°C	mm Hg	97-98
Vapour Density @ 20°C	kPa	Not available
Explosive Limits in Air	%	2.2 - 13
Viscosity	cSt	Not available
Volatiles	%vol/vol	Not available
Alkalinity/acidity (as pH)	-	Not applicable
Solubility in Water	% w/w	8-8.7g

The values listed are indicative of this product's physical and chemical properties.

10. STABILITY AND REACTIVITY

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Chemical Stability: Stable at room temperature and pressure.
Conditions to avoid: Sources of heat and ignition, open flames.
Hazardous decomposition products: No decomposition products except on burning.
 See "Fire Fighting Measures" and "Hazardous Reactions".
Hazardous reactions: Oxidizing agents, strong alkalis, strong mineral acids, bromine.

11. TOXICOLOGICAL INFORMATION

Toxicology Information:

Available toxicity data is given below.

Acute Toxicity-

Oral LD50 (rat)

5620 mg/kg

LD50 (rabbit):

4934mg/kg

OECD401

LD50 (mouse); 4100mg/kg

Acute Toxicity- Inhalation

LC50(rat) :1600 ppm/8h LC50(rat)

30mg/l/4hi

Acute Toxicity –

Dermal

LD50 (rabbit): >20 ml/kg

LD50(rabbit):>

OECD404

Ingestion

May be harmful if swallowed. Ingestion of this product may cause irritation to the mouth, throat, oesophagus and stomach with symptoms of nausea, abdominal discomfort, vomiting and diarrhoea..

Eye Contact

Causes serious eye irritation. On eye contact this product will cause tearing, stinging, blurred vision, and redness.

Skin Contact

May be irritating to skin. The symptoms may include redness, itching and swelling. Repeated exposure may cause skin dryness or cracking.

Inhalation

May be harmful if inhaled... Inhalation of product vapours can cause irritation of the nose, throat and respiratory system.

Chronic Effects

Prolonged or repeated exposure to skin may result in irritant contact dermatitis.

Respiratory sensitisation

Not expected to be a respiratory sensitiser.

Skin Sensitization

Not expected to be a 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.

STOT-single exposure

Not expected to cause toxicity to a specific target organ.

STOT-repeated exposure

May cause damage to organs through prolonged or repeated exposure by inhalation.

Aspiration Hazard

Not expected to be an aspiration hazard.

12. ECOLOGICAL INFORMATION

Ecotoxicity: Available toxicity data is given below.

Persistence/degradability: Readily biodegradable

Theoretical oxygen demand: 1.82

BOD (Biochemical Oxygen Demand): 79 (20 days)

Mobility: KOC:1.43

Soluble in water

Aquatic toxicity: LC50 (Pimephales promelas): 230mg/l/96h

No observed effect concentration (NOEC):

Fish: >9.65mg/l/32d

Environmental Protection

Do not discharge this material into waterways, drains and sewers.

Acute Toxicity - Algae

EC50 (algae): 5600mg/l/48h

EC0 (algae): 550 mg/l/8d

EC0 (green algae): 15 mg/l/7d

Acute Toxicity –

Bacteria EC0 (bacteria):

650 mg/l/16h

Acute Toxicity - Other Organisms

EC0 (protozoa): 202 mg/l/72h EC0

(protozoa): 1620 mg/l.

Product is not identified as being ecotoxic to aquatic life.

Persistence/degradability:

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Expected to biodegrade rapidly. Considered to have negligible bioaccumulative effects.
This product is highly volatile and will rapidly evaporate to air if released into water. Expected to leach readily in most soil types.

Environmental Exposure Standards:

Not set.

13. DISPOSAL CONSIDERATIONS

Disposal Methods:

Empty packaging should be taken for recycling, recovery or disposal through a suitably qualified or licensed contractor. Care should be taken to ensure compliance with national, regional and local authorities. Packaging may still contain fumes and vapours that are flammable. Ensure that empty packaging is allowed to dry before disposal.

14. TRANSPORT INFORMATION

UN Number: 1173
Shipping name: Ethyl Acetate
Class: 3
Packing group: II
Hazchem code: 3YE

Dangerous Goods Segregation

This product is classified as Dangerous Goods Class 3, Packing Group II.
Please consult NZS 5433:2020 Transport of Dangerous Goods on Land for information.



15. REGULATORY INFORMATION

Country/ Region: New Zealand
Inventory: NZ Inventory of Chemicals
Status: Listed

EPA New Zealand HSNO Approval Code: HSR001041 – Acetic acid ethyl ester
Refer www.epa.govt.nz for information on Controls.

16. OTHER INFORMATION

Issue: 3
Date of Issue: 22nd July 2024
Reasons for Issue: Update to GHS hazard classifications.
Replaces: 1st September 2023

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Abbreviations:

CAS No	Chemical Abstracts Number
EPA	Environmental Risk Management Authority
GHS	Globally Harmonized System of Classification and Labelling of Chemicals
HSNO	Hazardous Substances and New Organisms
NZIoC	New Zealand Inventory of Chemicals
STEL	Short Term Exposure Limit
TWA	Time Weighted Average
WES	Workplace Exposure Standard

References:

Supplier Material Safety Data Sheets

EPA website: www.epa.govt.nz

The information sourced for the preparation of this document was correct and complete at the time of writing to the best of the writer's knowledge. The document represents the commitment to the company's responsibilities surrounding the supply of this product, undertaken in good faith. This document should be taken as a safety guide for the product and its recommended uses but is in no way an absolute authority. Please consult the relevant legislation and regulations governing the use and storage of this type of product. For further information, please contact TMK Packers Ltd.

END OF SAFETY DATA SHEET

