

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: white spirit vinegar (4%)
Recommended Use: cleaning product
Supplier: Midland Chemicals
ABN: 91 622 018 986
Street Address: 18 Elliott Street
Midvale
Western Australia
Telephone Number: +61 08 9274 1992
Facsimile: +61 08 9250 1710
Emergency Telephone: **1 800 033 111 (ALL HOURS)**

2. HAZARDS IDENTIFICATION

NON-DANGEROUS GOODS, NON-HAZARDOUS SUBSTANCE

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail; NON-DANGEROUS GOODS.

Risk Phrases: No Risk Phrase Required

Safety Phrases: No Safety Phrase Required

Poisons Schedule: N/A

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Number	Proportion	Risk Phrases
Vinegar (as acetic acid)	64-19-7	4%	
Water	7732-18-5	96%	

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4. FIRST AID MEASURES

For advice, contact a Poisons Information Centre (e.g. phone Australia 131 126; New Zealand 0800 764 766) or a doctor at once.

Inhalation:

If inhaled, remove from contaminated area. Apply artificial respiration if not breathing.

Skin Contact:

If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.

Eye Contact:

If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the person in charge or a doctor, or for at least 15 minutes.

Ingestion:

For advice, contact a Poisons Information Centre or a doctor. If swallowed, do not induce vomiting.

Medical attention and special treatment:

Treat symptomatically.

5. FIRE FIGHTING MEASURES

Hazards from combustion products:

Non flammable. May evolve toxic gases (hydrocarbons, carbon oxides) when heated to decomposition.

Precautions for fire fighters and special protective equipment:

Non flammable. Treat as per requirements for Surrounding Fires: Evacuate area and contact emergency services. Remain upwind and notify those downwind of hazard. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire. Use waterfog to cool intact containers and nearby storage areas

Suitable Extinguishing Media:

Not combustible, Non flammable use suitable media for surrounding fire.

6. ACCIDENTAL RELEASE MEASURES

Emergency procedures:

If spilt (bulk), absorb with sand or similar, collect and place in sealable containers for disposal. Caution, spill site may be slippery.

Methods and materials for containment and clean up:

If spilt (bulk), absorb with sand or similar, collect and place in sealable containers for disposal. Caution, spill site may be slippery.

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7. HANDLING AND STORAGE

This material must be stored, maintained and used in accordance with the relevant regulations.

Conditions for safe storage:

Store in cool, dry, well ventilated area, removed from alkalis (eg. Hydroxides). Ensure containers are adequately labeled, protected from physical damage and sealed when not in use.

Precautions for safe handling:

Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas. .

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits: Acetic acid TWA= 10.0ppm 25mg/m³
Acetic acid STEL = 15.0ppm 37.0mg/m³

Engineering controls:

Ensure adequate natural ventilation.

Personal Protective Equipment:

Personal Protective Equipment is not required under normal conditions of use. When using large quantities or where heavy contamination is likely, wear splash-proof goggles. Individuals with sensitive skin should consider wearing rubber or PVC gloves.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: free-flowing liquid.

Colour: Clear, colourless,

Solubility: Miscible in water.

Specific Gravity: 1.0

Relative Vapour Density (air=1): 0

Vapour Pressure (20 °C): 11mm

Flash Point (°C): Not applicable

Flammability Limits (%): Not applicable

Auto Ignition Temperature (°C): Not applicable

Boiling Point/Range (°C): ca. >100°C

pH: 4

10. STABILITY AND REACTIVITY

Chemical stability: Stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

Conditions to avoid: Avoid heat, sparks, open flames and other ignition sources

Incompatible materials: Incompatible with alkalis (eg. Hydroxides)

Hazardous decomposition May evolve toxic gases (hydrocarbons, carbon oxides) when heated to decomposition

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Hazardous reactions: polymerisation will not occur

11. TOXICOLOGICAL INFORMATION

Low toxicity, this product may only present a hazard with direct eye contact, prolonged and repeated skin contact or with vapor inhalation at high levels. Chronic effects are not anticipated. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

- Ingestion:** Non toxic when used as a food additive. Ingestion of large quantities may result in nausea, vomiting and gastrointestinal irritation
- Eye contact:** Low to moderate irritant. Contact may result in irritation, lacrimation, pain and redness.
- Skin contact:** Low irritant. Prolonged or repeated contact may result in mild irritation.
- Inhalation:** Low to moderate irritant. Over exposure at high levels may result in mucous membrane irritation of the nose and throat, headache and dizziness.
- Long Term Effects:** No information available for the product.
- Toxicological Data:** Acetic Acid (64-19-7) LC50 (Inhalation): 5000ppm/1 hour (guinea pig) LD50 (Ingestion): 3310mg/kg (rat) LD50 (Skin): 1060uL/kg (rabbit)

12. ECOLOGICAL INFORMATION

Ecotoxicity Acetic acid is proposed to be added to the National Pollutant Inventory in 1999- Threshold Category1, use of 10 tonnes/year. Acetic acid occurs naturally in the environment and is readily metabolized by living organisms. It biodegrades readily from soil, water and the atmosphere. Acetic acid does not bioaccumulate or contaminate the food chain.

Persistence/degradability and mobility The material is biodegradable

13. DISPOSAL CONSIDERATIONS

Disposal methods:

No special precautions are required for the disposal of this product. Dispose of in accordance with relevant local legislation.

14. TRANSPORT INFORMATION

Road and Rail Transport

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail; NON-DANGEROUS GOODS.

Marine Transport

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Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; NON-DANGEROUS GOODS.

Air Transport

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air; NON-DANGEROUS GOODS.

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15. REGULATORY INFORMATION

Classification: Based on available information, not classified as hazardous according to criteria of ASCC; NON HAZARDOUS SUBSTANCE.

Hazard Category:

Risk Phrase(s): R36: Irritating to eyes

Safety Phrase(s): S25: Avoid contact with eyes.
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label whenever possible).

Poisons Schedule: N/A

16. OTHER INFORMATION

This material safety data sheet has been prepared by Midland Chemicals

This MSDS summarises to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. Since Midland Chemicals cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material. If clarification or further information is needed, the user should contact Midland Chemicals at the contact details on page 1.

Midland Chemical's responsibility for the material as sold is subject to the terms and conditions of sale, a copy of which is available upon request.