

SAFETY DATA SHEET

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: Vinegar 4%

Other Identifier: White spirit Vinegar 4%

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

Road and Rail; 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.

Hazard Classification

Not classified as Hazardous according to NOHSC criteria

Poisons Schedule: Not Scheduled

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Number	Proportion
Acetic Acid	64-19-7	4%
Ingredients determined not to be hazardous including water.		Up to 100%

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.

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

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.

Skin Contact: If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water

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

Medical attention and special treatment: Treat symptomatically.

SAFETY DATA SHEET

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media:	Non-flammable. Treat as per requirements for Surrounding Fires
Hazardous combustion products:	May evolve toxic gases (hydrocarbons, carbon oxides) when heated to decomposition.
Precautions for fire fighters and special protective equipment:	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

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Isolate hazard area and deny entry to unnecessary or unprotected personnel.
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.
Environmental Precautions:	No data available. 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.
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.

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

Exposure control measures:	Ingredient	Reference	TWA	STEL
	ppm	mg/m3	ppm	mg/m3
	Acetic Acid	NOHSC (AUS)	10.0	25.0 15.0 37.0

Biological Monitoring	No biological limit allocated.
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.

SAFETY DATA SHEET

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	liquid
Colour:	Clear colourless to pale yellow
Auto Ignition temperature:	No Data available
Decomposition Temperature:	No Data available
Evaporation Rate:	No Data available
Flammability:	Non flammable
Flash Point:	Not relevant
Initial Boiling Point:	>100° C
Melting Point:	<0° C
Freezing Point	No Data available
Odour:	Characteristic odour
Odour Threshold:	No Data available
Partition coefficient: n-octanol/water	No Data available
pH:	No Data available
Relative Density:	No Data available
Solubility:	Water soluble
Upper Flammability Limit	No Data available
Lower Flammability Limit:	No Data available
Explosive limits:	No Data available
Vapour density:	No Data available
Vapour pressure;	No Data available
Viscosity:	No Data available
Biopersistence:	No Data available
Crystallinity:	No Data available
Dustiness:	No Data available
Particle size:	No Data available
Redox potential:	No Data available
Release of invisible flammable vapours and gases	No Data available
Specific Gravity	1 (approximately)
Saturated Vapour Concentration	No Data available

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 products:	May evolve toxic gases (hydrocarbons, carbon oxides) when heated to decomposition.
Hazardous reactions or Polymerisation:	Polymerization will not occur.

SAFETY DATA SHEET

11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Toxicity Data:	Acetic Acid (64-19-7) LC50 (Inhalation): 5000ppm/1 hour (guinea pig) LD50 (Ingestion): 3310mg/kg (rat) LD50 (Skin): 1060uL/kg (rabbit)
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.

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 and degradability	Biodegradable
Bioaccumulative potential	Not bioaccumulative

13. DISPOSAL CONSIDERATIONS

Disposal methods: Dispose of in accordance with all local, state and federal regulations. All empty packaging should be disposed of in accordance with Local, State, and Federal Regulations or recycled/reconditioned at an approved facility. Or refilled at Big Bubble in Midvale.

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.
UN number:	Not allocated
Proper shipping name;	Not allocated
DG Class	Not allocated
Packing group	Not allocated
Environmental hazards for transport purposes	Not allocated
Special Precaution for user	Not allocated
Hazchem	Not allocated

Marine Transport

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.

SAFETY DATA SHEET

15. REGULATORY INFORMATION

Poisons Schedule: Not scheduled
AICS: All chemicals listed on the Australian Inventory of Chemical Substances (AICS).

16. OTHER INFORMATION

Revision date: 12/06/2021

Reason for issue: Update SDS

Key/Legend:

< Less Than

> Greater Than

AICS Australian Inventory of Chemical Substances

atm Atmosphere

CAS Chemical Abstracts Service (Registry Number)

cm² Square Centimetres

CO₂ Carbon Dioxide

COD Chemical Oxygen Demand

deg C (°C) Degrees Celcius

g Grams

g/cm³ Grams per Cubic Centimetre

g/l Grams per Litre

HSNO Hazardous Substance and New Organism

IDLH Immediately Dangerous to Life and Health

immiscible Liquids are insoluble in each other.

inHg Inch of Mercury

inH₂O Inch of Water

K Kelvin

kg Kilogram

kg/m³ Kilograms per Cubic Metre

LC₅₀ LC stands for lethal concentration. LC₅₀ is the concentration of a material in air which causes the death of 50% (one half) of a group of test animals. The material is inhaled over a set period of time, usually 1 or 4 hours.

LD₅₀ LD stands for Lethal Dose. LD₅₀ is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.

ltr or L Litre

m³ Cubic Metre

mbar Millibar

mg Milligram

mg/24H Milligrams per 24 Hours

mg/kg Milligrams per Kilogram

mg/m³ Milligrams per Cubic Metre

Misc or Miscible Liquids form one homogeneous liquid phase regardless of the amount of either component present.

mm Millimetre; **mmH₂O** Millimetres of Water

mPa.s Millipascals per Second

N/A Not Applicable

NIOSH National Institute for Occupational Safety and Health

NOHSC National Occupational Health and Safety Commission

SAFETY DATA SHEET

OECD Organisation for Economic Co-operation and Development

PEL Permissible Exposure Limit

Pa Pascal

ppb Parts per Billion

ppm Parts per Million

ppm/2h Parts per Million per 2 Hours

ppm/6h Parts per Million per 6 Hours

psi Pounds per Square Inch

R Rankine

RCP Reciprocal Calculation Procedure

STEL Short Term Exposure Limit

TLV Threshold Limit Value

TWA Time Weighted Average

ug/24H Micrograms per 24 Hours

UN United Nations

wt Weight

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. No liability is accepted whether direct or indirect from its application since the conditions of final use are outside Midland Chemicals control. The end user is obliged to conform to relevant government regulations and/or patent laws applicable in their respective States of Countries.