

Material Safety Data Sheet—White Vinegar

1—Identification of the material and supplier

Product names	White vinegar.
Other names	Spirit vinegar, Distilled vinegar, Distilled white vinegar, Vinegar.
Recommended use	Food additive and/or as a cleaning product.
Supplier details	Riviana Foods Pty. Ltd. 8 Lakeview Drive, Scoresby, Victoria 3179 Australia Telephone: +61 3 9764 3622 (Monday to Friday 8 am to 5 pm) Fax: +61 3 9764 3343

2—Hazard identification

Hazard classification	Not classified as a hazardous substance or dangerous good.
Risk phrases	None.
Safety phrases	None.

3—Composition/Information on ingredients

Chemical identity of ingredients	Dilute acetic acid solution Acetic Acid CH ₃ COOH Water H ₂ O
Proportions of ingredients	Acetic Acid 4.0–4.2% Water 95.8–96.0%
CAS Number for ingredients	Acetic Acid 64–19–7 Water Not applicable.

4—First aid measures

Description of necessary first aid measures	<i>Inhalation</i> Prolonged inhalation of vapours can cause irritation to respiratory tract. Remove to fresh air. <i>Skin</i> May cause irritation. Prolonged contact may cause dermatitis. Flush immediately and thoroughly with water. <i>Eye</i> Will cause eye irritation—smarting and reddening of eye. Flush immediately and thoroughly with water for at least 15 minutes. <i>Ingestion</i> Not hazardous, however for ingestion of large amounts water should be consumed to dilute. Do not induce vomiting. Do not give emetics or baking soda.
Medical attention and special treatment	If prolonged effects or first aid is ineffective contact a physician.
Additional information	Soiled clothes should be adequately laundered prior to being worn again.

5—Fire Fighting Measures

Suitable extinguishing media	Media suitable for surrounding fire.
Hazards from combustion products	None.
Precautions for fire fighters and special protective equipment	None.

6—Accidental release measures

Emergency procedures	Accidental release (spills) can either be contained or neutralised depending upon the size of the spill and the built environment.
Methods and materials for containment and clean up	<p><i>For small spills</i> Mop up with copious amounts of water and allow to air dry.</p> <p><i>For large spills in a built environment without drainage.</i> Cover with absorbent inert product (ie sand or vermiculite). Once vinegar is absorbed into inert product, remove the inert material to waste. Mop floor with copious amounts of water and allow to air dry.</p> <p><i>For large spills in a built environment with drainage</i> Dilute with copious amounts of water and discharge to drain.</p>

7—Handling and storage

Precautions for safe handling	None.
Conditions for safe storage	<p>Product should be stored in a cool and dry environment out of direct sunlight.</p> <p>Do not allow product to freeze as this could cause the container to rupture.</p> <p>If using racking load limits should be observed.</p> <p>Pallets should be stacked in accordance with industry accepted practices.</p>

8—Exposure controls/personal protection

National exposure standards	No exposure standard allocated.
Biological limit values	No biological limit allocated.
Engineering controls	None.
Personal protective equipment	<p><i>For prolonged exposure in a large spill in a confined area</i> Impervious gloves, boots and safety glasses. Due care should be taken at all times. Soiled clothes should be adequately laundered prior to being worn again.</p>

9—Physical and chemical properties

Appearance	Clear, colourless, free-flowing liquid.
Odour	Typical vinegary aroma.
pH	1.8–2.5
Vapour pressure	11mm
Vapour density	2.1
Boiling point	118°C
Freezing point	0°C
Solubility in water	Complete
Specific gravity	1.01

10—Stability and reactivity

Chemical stability	Yes
Conditions to avoid	None
Incompatible materials	None
Hazardous decomposition products	None
Hazardous reactions	None

11—Toxicological information

Toxicity	Data not available.
Health effects from likely routes of exposure	<p><i>Inhalation</i> Prolonged inhalation of vapours can cause irritation to respiratory tract.</p> <p><i>Skin</i> May cause irritation. Prolonged contact may cause dermatitis.</p> <p><i>Eye</i> Will cause eye irritation—smarting and reddening of eye.</p>

12—Ecological information

Ecotoxicity	None
Persistence/degradability	None
Mobility	None

13—Disposal considerations

Disposal methods	<p>Inert materials (such as sand or vermiculite) containing vinegar can be disposed of via landfill.</p> <p>Vinegar diluted with copious amounts of water can be discharged to either sewer or stormwater.</p> <p>Plastic containers and cardboard should be recycled where facilities exist. This does not include for immediate reuse.</p>
Special precautions for landfill or incineration	None.

14—Transport information

UN number	None
UN proper shipping name	None
Class and subsidiary risks	None
Packing group	None
Special precautions for user	None
Hazchem code	None
Other	Product is a food stuff and as such must be transported in accordance with the requirements of the Food Safety Australia New Zealand (FSANZ) Food Standards Code.

15—Regulatory information

Food	This product complies with all of the requirements of the Food Safety Australia New Zealand (FSANZ) Food Standards Code. This can be found at www.foodstandards.gov.au
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16—Other information

Prepared in accordance with:	National Code of Practice for the Preparation of Material Safety Data Sheets 2 nd Edition April 2003 NOHSC:2011(2003)
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