

MATERIAL SAFETY DATA SHEET***Vinegars Liquid - Less than 10% Acidity With Added Salt*****1. Identification of the substance / preparation and of the Company**

Identification of the product	All vinegars containing less than 10% acidity and added salt
Trade name	Various, e.g. Malt Vinegar
Type of product and use	Liquid vinegar. For use as a condiment.
Company identification	AMB Products Ltd
Emergency phone nr	01709 583 132

2. Composition / Information on ingredients

Chemical characterization

- Composition	CAS#	Name	Percent	R Phrases	S Phrases
	N/A	Acetic Acid (vinegar)	4 - 5	None listed	None listed
	N/A	Sodium Chloride	1.0	None listed	None listed

3. Hazards identification

Health Hazard Data	R phrases: None applicable Irritating to eyes and skin
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4. First aid measures

Inhalation	Remove from exposure, rest and keep warm. In severe cases seek medical attention.
Skin contact	Wash off thoroughly with soap and water. Remove contaminated clothing and wash before re-use. In severe cases, obtain medical attention.
Eye contact	Irrigate thoroughly with water for at least 10 minutes. If discomfort persists, obtain medical attention.
Ingestion	After unexpected ingestion of large amounts, give plenty of water to drink. If discomfort persists, seek medical attention.

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5. Fire-fighting measures

Special risks	Not readily combustible
Extinguishing media	To suit environment
Protect against fire	As with any fire situation, full face, self-contained breathing apparatus and appropriate protective clothing should be worn.

6. Accidental release measures

After spillage / leakage	Wear appropriate protective clothing, including chemical resistant gloves equivalent to Neoprene / PVC and safety glasses with side guards, to prevent injury from flying particles an/or other eye contact with this product. Inform others to keep at a safe distance. For small spills, if local regulations permit, mop up with plenty of water and run to waste, diluting greatly with running water. Otherwise, absorb on an inert absorbent, transfer to container and arrange removal by disposal company. Ventilate area to dispel residual vapour. For large spillages, liquid should be contained with sand or earth and both liquids and solids transferred to salvage containers. Any residues should be treated as for small spillages.
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7. Handling and storage

Handling	Avoid contact with skin and eyes. Change contaminated clothing. Application of skin-protective barrier cream recommended. Wash hands after working with substance. Use in a well-ventilated area.
Storage	Store at room temperature (10 to 25°C recommended). Keep well closed and protect from direct sunlight and moisture.

8. Exposure controls / Personal protection

UK Exposure Limits	WEL, Acetic acid: Long term: 25mg/m ³ Short term: 37mg/m ³
Personal protection	As appropriate for the situation and the quantity handled.
- Respiratory protection	No special respiratory protection equipment is recommended under normal conditions of anticipated use with adequate ventilation.
- Skin protection	Wear appropriate protective clothing to prevent skin exposure.
- Hand protection	Wear suitable gloves resistant to chemical penetration.
- Eye protection	Wear appropriate protective eye glasses or chemical safety goggles
- Other	Plastic apron, sleeves, boots if handling in large quantities.
	Engineering methods to control or prevent exposure are preferred. Methods could include process enclosure or mechanical ventilation.

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9. Physical and chemical properties

Physical state	Liquid
Colour	Various
Odour	Vinegar
Initial boiling point	Not available
Solubility in water	Miscible in all proportions
Flash point	Not applicable
Explosion limits: Lower	No data
Auto-ignition temperature	No data

10. Stability and reactivity

Stability	Stable
Incompatibility	Avoid contact with bases. The possibility of reaction with other substances cannot be excluded.
Hazardous decomposition products	Carbon monoxide, irritating and toxic fumes and gases, carbon dioxide.
Hazardous polymerisation	Has not been reported.

11. Toxicological Information

Information on toxicity	
- After inhalation	Irritation of the mucous membranes, coughing and dyspnoea.
- After skin contact	Irritation.
- After eye contact	Irritation. Cannot be excluded: burns.
- After ingestion	After ingestion of large amounts: Irritation of mucous membranes in the mouth, pharynx, oesophagus and gastrointestinal tract. Nausea, vomiting, spasms. No toxic effects expected when handled properly.

12. Ecological information

Ecological effects information	A harmful effect on aquatic organisms cannot be excluded in the event of improper handling or disposal. Harmful effect due to pH shift.
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13. Disposal considerations

Disposal

This product should be handled in accordance with instructions given under Sections 6, 7 and 8. Dispose of in accordance with National and local laws.

14. Transportation information

General

Handle in accordance with instructions given in Sections 5, 6, 7 and 8.

UN

Not applicable

15. Regulatory information

EC classification

Not classified as hazardous

EC-No.

Not applicable

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