

Chem Alert Report

Manufacturer's Material Safety Data Sheet

Product Name **ACETIC ACID 1%**

Ingredient	Conc.	CAS No.
ACETIC ACID	1%	64-19-7
WATER	99%	7732-18-5

Synonyms **NOT CLASSIFIED AS HAZARDOUS ACCORDING TO NOHSC CRITERIA**
1% ACETIC ACID.

Appearance CLEAR COLOURLESS LIQUID

Odour VINEGAR-LIKE ODOUR

Use(s) LABORATORY REAGENT, LABORATORY APPLICATIONS.

Supplier FRONINE LABORATORY SUPPLIES Ph: 02 9627 3600 Emerg. Ph: 13 11 26

Stock No. 529.

Poison Sched None Allocated

Hazchem None Allocated

UN No. None Allocated

D.G Class None Allocated

Pkg Group None Allocated

EPG None Allocated

Sub/Tert Risk None Allocated

HEALTH HAZARDS

Health Hazard Summary Low toxicity - irritant. Use safe work practices to avoid eye or prolonged skin contact and vapour/mist inhalation. May irritate the respiratory system if used in poorly ventilated areas.

Eye Irritant. Exposure may result in lacrimation, irritation, pain and redness.

Inhalation Irritant. Over exposure at high vapour concentrations may result in mucous membrane irritation of the nose and throat, headache and dizziness.

Skin Irritant. Prolonged contact may result in irritation, itching and possible skin rash.

Ingestion Low toxicity. With large doses ingestion may result in nausea, vomiting and gastrointestinal irritation.

PRECAUTIONS

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

Reactivity Incompatible with oxidising agents (eg. hypochlorites, peroxides), alkalis (eg. sodium hydroxide) and heat sources.

Ventilation Do not inhale vapours. Use in well ventilated areas. In poorly ventilated areas, mechanical extraction ventilation is recommended.

PERSONAL PROTECTIVE EQUIPMENT

PPE Wear splash-proof goggles and PVC or rubber gloves. When using large quantities or where heavy contamination is likely, wear coveralls.



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FIRST AID

- Eye** Hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre, or for at least 15 minutes.
- Inhalation** If exposure occurs leave exposure area immediately. If irritation persists, seek medical attention.
- Skin** Remove contaminated clothing and gently flush affected areas with water. Seek medical attention if irritation develops. Launder clothing before reuse.
- Ingestion** For advice, contact a Poisons Information Centre on 13 11 26 (Australia Wide) or a doctor.

SAFE HANDLING

- Storage** Store in cool, dry, well ventilated area, removed from oxidising agents, alkalis and foodstuffs. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use.
- Waste Disposal** Wearing protective equipment detailed above, and ensuring any ignition sources are eliminated, absorb with sodium carbonate - sodium bicarbonate, collect and dispose of to an approved landfill site. Contact the manufacturer for additional information.
- Transport** Not regulated for transport purposes.

EMERGENCY

- Spillage** If spilt (bulk), absorb with sand or similar. Wear splash-proof goggles, PVC/rubber gloves, coveralls and boots. Collect and place in sealable containers for disposal. Clean spill site with soap and water. Caution - spill site may be slippery.
- Environment** Acetic acid is proposed to be added to the National Pollutant Inventory in 1999 - Threshold Category 1, use of 10 tonnes/year. Acetic acid occurs naturally in the environment and is readily metabolised by living organisms. It biodegrades readily from soil, water and the atmosphere. Acetic acid does not bioaccumulate or contaminate the food chain.
- Fire and Explosion** Non flammable. Evacuate area and contact emergency services. Toxic gases (hydrocarbons, carbon oxides) may be evolved when heated. Remain upwind and notify those downwind of hazard. Wear full protective equipment (see spill above) including Self Contained Breathing Apparatus (SCBA) when combating fire. Use waterfog to cool intact containers and nearby storage areas.
- Extinguishing** Non flammable.

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PHYSICAL AND CHEMICAL PROPERTIES

Flammability: NON FLAMMABLE
Boiling Point: 100 C (Approximately)
Exposure Standard: 10 ppm Acetic acid
pH: 4 (Approximately)
Specific Gravity: 1.0 (Approximately)
Vapour Pressure: 18 mm Hg @ 20 C
Lower Explosion Limit: NOT RELEVANT

Flash Point: NOT RELEVANT
Melting Point: < 0 C
Evaporation Rate: AS FOR WATER
% Volatiles: > 60 % (Water)
Solubility (water): SOLUBLE
Upper Explosion Limit: NOT RELEVANT