

Acitrol

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND SUPPLIER

Product name:	Acitrol
Recommended Use:	Acidifier
Supplier:	Hygiene Technologies Ltd
Street	28 Rangitane Rd Whakatu, Hastings 4172 New Zealand
Telephone:	(06) 876 4111
Emergency:	NZ Fire Service - 111 National Poisons Centre – 0800 764 766 (0800 POISON)

2. HAZARDS IDENTIFICATION

Dangerous Goods	This product is not classified as a Dangerous Good according to NZS 5433:2020 Transport of Dangerous Goods on Land.
Hazardous Substances	Classified as hazardous according to criteria in GHS 7.
GHS	Serious Eye Damage – Category 1.
Signal Word	DANGER.
Pictograms	Corrosion.
Group Standard 2020	HSR002578.
Hazard Statements H314	Causes severe eye damage.
Precautionary Statements Prevention P102 P103 P280	Keep out of reach of children. Read carefully and follow all instructions. Wear protective gloves and protective clothing including eye and face protection.
Response P101 P305+P351+P338 P310	If medical advice is needed, have product container or label at hand. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTRE or doctor.
Storage	None allocated.
Disposal P501	Dispose of contents and container in accordance with local, regional, national and international regulations.



3. COMPOSITION/INFORMATION ON INGREDIENTS

Note: The following properties apply to the liquid component of this product.

Ingredient	CAS No.	PROPORTION
Citric Acid	77-92-9	1-10%

4. FIRST AID MEASURES

For advice, contact National Poisons Information Centre (Phone 0800 764 766) or a doctor. If medical advice is needed, have product container or label at hand.

Swallowed	Rinse mouth and then drink a glass of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. If vomiting occurs, give further water. Immediately call a POISON CENTRE or doctor for advice.
Eye Contact	Immediately rinse cautiously with copious volumes of water for 15 minutes, holding eyelids open and occasionally lifting the upper and lower lids. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTRE or doctor for advice. Transport to hospital or medical centre without delay.
Skin Contact	If skin or hair contact occurs, remove all contaminated clothing and flush skin and hair with running water for at least 15 minutes. For minor skin contact, avoid spreading material on to unaffected skin. If swelling, redness, blistering or irritation occurs seek medical assistance. For gross contamination, immediately drench contaminated skin and clothing with plenty of water and remove clothing. Continue to flush skin and hair with plenty of water (and soap if material is soluble). Immediately call a POISON CENTRE or doctor for advice. Wash contaminated clothing before reuse.
Inhaled	Remove to fresh air and keep at rest in a position comfortable for breathing. Immediately call a Poison Centre or doctor for advice. Allow person to assume most comfortable position and keep at rest until fully recovered. Seek medical assistance if effects persist. Refer to National Poisons and Hazardous Chemicals Information Centre 0800 764 766.

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5. FIRE FIGHTING MEASURES

Specific Hazard	Non-combustible liquid. Not sensitive to mechanical impact and static discharge.
Suitable Extinguishing Media	If material is involved in a fire, use extinguishing media appropriate to surrounding fire conditions.
Fire/Explosion Hazards	Non-combustible; material itself does not burn. Containers may rupture from exposure to high temperatures. If safe to do so, remove containers from path of fire. Fire fighters to wear self-contained breathing apparatus (SCBA) and full protective clothing if risk of exposure to products of decomposition.
Hazchem code	None allocated.

6. ACCIDENTAL RELEASE MEASURES

Contain minor spills (less than 100L) from local drainage with any suitable bund or barrier. Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of dusts (from dried product), vapour or spray. Soak up spilled product using absorbent, non-combustible material such as earth or sand. Avoid using sawdust or cellulose. When saturated, collect material into suitable, clearly labeled, dry, sealable containers and hold for safe disposal. Once clean-up is complete, flush spill site with plenty of water to eliminate any remaining residue.

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For large spills from drums and IBCs, alert the local Fire Brigade. Clear area of all unprotected personnel. Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination and the inhalation of vapours. Ensure adequate ventilation. Work up wind or increase ventilation. Do not touch or walk through spilled material. Stop leak if safe to do so. Contain - prevent entry into waterways, drains or confined areas. Use absorbent (earth, sand or other inert material). Collect and seal in properly labelled containers or drums for disposal. Dispose of waste according to the applicable local and national regulations. If material contaminates crops, sewers or waterways, alert local emergency services.

7. HANDLING AND STORAGE

Handling advice	Safety showers and eyewash facilities should be provided within the immediate work area for emergency use. Do not breathe dusts, vapours or spray. Prevent contact with eyes and skin. Wear protective gloves, protective clothing and eye and face protection (see Section 8). Avoid contact with incompatible materials.
Storage advice	Store in a cool, dry and well-ventilated area, away from direct sunlight, heat sources, incompatible materials (described in Section 10) and food stuffs. Store above 1°C and below 50°C. Ensure containers are correctly labelled, protected from physical damage, sealed when not in use and stored upright. Check containers regularly for leaks. Ensure that storage conditions comply with applicable local and national regulations.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Workplace Exposure Guidelines	No value assigned for this specific material by WorkSafe NZ. For component: no information available.
Engineering Controls	Use in a well-ventilated area. Special controls are not considered necessary for this product.
Personal Protective Equipment	GLOVES, SAFETY GLASSES. Personal protective equipment (PPE) must be suitable for the nature of the work and any hazard associated with the work as identified by a risk assessment. Wear gloves and safety glasses if handling large quantities or for frequent exposure. If engineering controls are ineffective in controlling airborne exposure, respiratory protection may be required. Available information suggests that gloves made from butyl rubber should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. When handling do not eat, drink or smoke. Wash contaminated clothing and other protective equipment before storage or reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid.
Odour	Odourless.
Colour	Colourless.
Solubility	Soluble in water.
Specific Gravity	1.02 – 1.04.
Relative Vapour Density (air=1)	N Av.
Flash Point (°C)	N App.
pH	<2.
Freezing Point	N Av.
Boiling Point	> 100°C.
Vapour Pressure	N Av.
Viscosity	Water thin.

10. STABILITY AND REACTIVITY

Stability	This material is thermally stable when stored and used as directed.
Conditions to avoid	Elevated temperatures and incompatible materials.
Incompatible Materials	Strong alkalis, metals.
Reactivity	No known hazardous reactions.
Hazardous Decomposition Products	Sulfur oxides, carbon oxides.

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:

Swallowed	Swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract.
Eye Contact	Contact with eyes may result in severe damage/burns.
Skin Contact	Contact with skin may result in irritation.
Inhaled	Material may be an irritant to mucous membranes and the respiratory tract.
Long Term Effects	No information available for the product.
Acute Toxicity	<p>Inhalation: This material has been classified as non-hazardous.</p> <p>Skin contact: This material has been classified as non-hazardous.</p> <p>Ingestion: This material has been classified as non-hazardous.</p> <p>Corrosion/Irritancy: Eye: this material may cause severe damage/burns.</p> <p>Skin: This material has been classified as as non-hazardous."</p>

12. ECOTOXICOLOGICAL INFORMATION

Aquatic Toxicity	May cause long lasting harmful effects to aquatic life.
Chronic Toxicity	This material has been classified as non-hazardous.
Ecotoxicity	This material is not expected to be harmful to soil environments, however may cause long lasting harmful effects to aquatic life.
Persistence / Degradability	No information available.
Bioaccumulation Potential	No information available.
Mobility	No information available

13. DISPOSAL CONSIDERATIONS

Recycle wherever possible. Whatever cannot be saved for recovery, or recycling should be sent to an approved waste disposal contractor for disposal in an approved waste facility. Processing, use or contamination of this product may change the waste management options. Dispose of container and unused contents using an approved waste disposal contractor. Care should be taken to ensure compliance with national and local regulations. This product is NOT for unauthorised disposal by either landfill or via municipal sewers. Not to be discharged to drains, natural streams or rivers.

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Special Precautions: Empty drums should be taken for recycling, recovery or disposal through a suitably qualified or licensed contractor. Observe all safeguards on label and in this SDS until container is cleaned, reconditioned or destroyed. Decontaminate empty containers with water. Dispose of container and unused contents in accordance with local authority requirements.

14. TRANSPORT INFORMATION

Transport of Dangerous Goods Pictograms: None allocated.

ROAD AND RAIL TRANSPORT Not classified as a Dangerous Good according to NZS 5433:2020 Transport of Dangerous Goods on Land.
UN Number: None allocated.
Dangerous Goods Class: None allocated.
Packing Group: None allocated.
Hazchem Code: None allocated.
Proper Shipping Name: None allocated.
Segregation Dangerous None allocated.

MARINE TRANSPORT Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.
UN Number: None allocated.
Dangerous Goods Class: None allocated.
Packing Group: None allocated.
Proper Shipping Name: None allocated.

AIR TRANSPORT Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.
UN Number: None allocated.
Dangerous Goods Class: None allocated.
Packing Group: None allocated.
Proper Shipping Name: None allocated.

15. REGULATORY INFORMATION

ERMA (NZ) Approval Code N/A.

Group Standard 2020 HSR002578 – Food Additives and Fragrance Materials (Subsidiary Hazard) Group Standard 2020.

For more information refer to the ERMA website: www.epa.govt.nz.

16. OTHER INFORMATION

Revision 2
Revision Date 14 March 2025
Reason for Issue 5 Year Review
Review 14 March 2030

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Date of Issue : 14/03/2025