

# SAFETY DATA SHEET

## Hazardous Chemical, Dangerous Goods

### 1. MATERIAL AND SUPPLY COMPANY IDENTIFICATION

**Product name:** Acitrol  
**Recommended Use:** Acidifier

**Supplier:** Hygiene Technologies Ltd  
**Street Address:** 28 Rangitane Rd  
Whakatu, Hastings 4172  
New Zealand

**Telephone:** + 64 6 876 4111 or 0800 732 525  
**Facsimile:** + 64 6 878 3802

**Emergency Telephone number:** New Zealand Poisons Centre  
**0800 POISON (0800 764 766)**

### 2. HAZARDS IDENTIFICATION

**Classification of the Substance or Mixture:**

Hazardous Material According to Hazardous Substances and New Organisms Act 1996



**Signal Word**

Danger

GHS Classification	HSNO Classification	Hazard Classification
Skin Irritation Category.2B	6.3B	Causes mild skin irritation
Eye Corrosion Category 1	8.3A	Causes serious eye damage

**Prevention Statements:**

Keep out of reach of children  
Read label before use  
Wear eye and face protection

**Response Statements:**

If medical advice is needed, have product container or label at hand  
If skin irritation occurs: Get medical advice/ attention.  
If in eyes wash cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Immediately call a POISON CENTER or doctor/physician if concerned

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## Storage Codes

None

## Disposal Code

P501 – Disposal of waste product and containers must be in accord with local bylaws and regulations

### 3. COMPOSITION INFORMATION

CHEMICAL ENTITY	CAS No.	%W/W
Citric Acid	77-92-9	1-10%
Materials determined not to be hazardous	N/A	To 100%

### 4. FIRST AID MEASURES

- Inhalation:** Not a likely route of exposure. Remove to fresh air if irritation occurs. If symptoms develop, obtain medical attention.
- Skin Contact:** May be Irritating to skin. No toxicity associated with the product being absorbed through skin. Wash exposed areas with water immediately. In the event of prolonged irritation, seek medical advice.
- Eye Contact:** Corrosive to the eyes. Rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- Ingestion:** Ingesting large volumes may cause minor gastrointestinal distress. Drink water to assist in digestion.
- Special Treatment:** Treat symptomatically.

### 5. FIRE FIGHTING MEASURES

Not considered flammable or combustible. Not sensitive to mechanical impact and static discharge.

FLASH POINT	EXPLOSIVE LIMITS	TEMPERATURES
> 220° C (428° F)	NA Auto-Ignition	NA

- Suitable Extinguishing Media:** Use extinguishing media appropriate to surrounding fire conditions.
- Unsuitable Extinguishing Media:** None known.
- Special Hazards Arising from the Substance or Mixture:** Containers may rupture from exposure to high temperatures, releasing contents that may be slippery.

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**Advice for Firefighters:** Suitable protective clothing should be worn in fire conditions. Expect corrosive (acidic) conditions.

**Hazardous Combustion Products:** Sulfur Oxides, Carbon Oxides

## 6. ACCIDENTAL RELEASE MEASURES

**Protective Equipment:** Eye protection and face protection. Triple layer gloves. Acid resistant clothing and shoes.

**Environmental Precautions:** Avoid release to the environment.

**Methods for Spill Containment:** Absorb spillage with inert absorbent material to avoid damage. Rinse area with water. Dispose of material in accordance with local regulations.

**Reference to Other Sections:** See Also Section 7, 8, 13

## 7. HANDLING AND STORAGE

**Precautions for Safe Handling:** Avoid contact with eyes and skin. Wear chemical resistant personal protective gear.

**Conditions for Safe Storage:** Store in closed containers above 1°C and below 50°C. Store away from alkali materials.

**Incompatible with:** Strong alkalis

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Occupational Exposure Limits:** Not available for this product

**Respiratory Protection:** Usually not needed.

**Eye Protection:** Safety glasses including face protection.

**Hand Protection:** Triple layer, acid resistant gloves

**Skin and Body Protection:** Chemical resistant personal protective gear.

**Engineering Controls:** No special controls required.

**General Hygiene Considerations:** Handle according to established industrial hygiene and safety practices.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

	<b>Concentrate</b>
<b>Appearance:</b>	Clear Liquid
<b>Odor:</b>	None
<b>Odor Threshold:</b>	Virtually odourless
<b>pH:</b>	<2
<b>Melting Point</b>	N/A
<b>Initial Boiling Point:</b>	Not available
<b>Boiling Point:</b>	> 100 °C
<b>Flash Point:</b>	> 220 °C
<b>Evaporation Rate:</b>	1 (Water = 1)
<b>Flammability (solid, gas):</b>	Non-Flammable
<b>Upper/Lower Flammability Limit:</b>	Non-Flammable
<b>Auto-ignition Temperature:</b>	Non-Flammable
<b>Vapor Pressure:</b>	Not available
<b>Vapor Density:</b>	Not available
<b>Solubilities:</b>	Soluble in water
<b>Partition Coefficient: N-octanol/Water:</b>	Not available
<b>Decomposition Temperature:</b>	Not available
<b>Percent Volatile, wt. %:</b>	0
<b>VOC Content, wt. %:</b>	0
<b>Density Range:</b>	1.03 g/ml

## 10. STABILITY AND REACTIVITY

<b>Reactivity:</b>	Avoid contact with alkali materials and other materials sensitive to low pH.
<b>Chemical Stability:</b>	Stable under normal conditions. Avoid temperature extremes.
<b>Possibility of Hazardous Reactions:</b>	No hazardous reactions observed.
<b>Conditions to Avoid:</b>	Do not freeze. Do not use above ambient temperature.
<b>Incompatible Materials:</b>	Avoid prolonged contact with metals or strong alkali.
<b>Hazardous Decomposition Products:</b>	Sulfur Oxides, Carbon Oxides.

## 11. TOXICOLOGICAL INFORMATION

<b>Substance:</b>	[Hydrogen (+1), Triqua-u3-oxotri, sulfate (1:1)]
<b>Ingestion:</b>	Product may be harmful if ingested. May be irritating to gastrointestinal tract.
<b>Inhalation:</b>	Product may be irritating to nasal tissue.
<b>Skin Contact:</b>	Irritating to skin
<b>Eye Contact:</b>	Corrosive to eyes
<b>Repeated Dose Toxicity:</b>	Not available
<b>Carcinogenicity:</b>	This product does not contain any carcinogens or potential carcinogens.
<b>Mutagenicity:</b>	Not available
<b>Toxicity for Reproduction:</b>	Not available
<b>Other Information:</b>	None

## 12. ECOLOGICAL INFORMATION

<b>Toxicity:</b>	Not expected to be harmful to soil environments but may cause long lasting harmful effects to aquatic life.
<b>Persistence and Degradability:</b>	Not available
<b>Bio-accumulative Potential:</b>	Not available
<b>Mobility in Soil:</b>	Not available
<b>Results of PBT and vPvB Assessment:</b>	Not available
<b>Additional Information on Eco-toxicity:</b>	The product does not add to the AOX-value of effluent water (DIN 38409).

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## 13. DISPOSAL CONSIDERATIONS

**Waste Treatment Methods:** Disposal should be in accordance with local, state or national regulations. Triple wash containers before recycling.

**Additional Information:** Neutralization recommended before disposal.

## 14. TRANSPORT INFORMATION

**Land transport (ADR/NZS5433):**  
Not Classified as dangerous for transport Under the ADR, IMDG, IATA.

## 15. REGULATORY INFORMATION

### Safety, Health and Environmental Regulations and Associated Hazards for the Mixture

**Chemical Inventory** All materials listed on the NZIoC  
**HSNO Classification**  
HSR002578 – Food Additives and Fragrance Materials (subsidiary Hazard) Group Standard 2017

<b>Location Compliance Certification:</b>	Not required
<b>Tracking:</b>	Not required
<b>Certified Handler:</b>	Not required
<b>Secondary Containment:</b>	> 10,000 L (8.3A)
<b>Signage:</b>	> 1000 L (8.3A)
<b>Chemical Safety Assessment:</b>	Corrosive

## 16. OTHER INFORMATION

**References:** NZ CCID, ECHA, Manufacturer Information, Worksafe NZ.

**Revision Number** NEW SDS  
**Creation Date** Feb 11, 2021  
**Revision Date** Nov 05, 2022  
**Review Date** Nov 05, 2027

**Revision Summary** This document has been updated to comply with the NZ Hazardous Substances and New Organisms Act 1996 and aligns with the Globally Harmonized System of Classification and Labeling of Chemicals (GHS)

The document is based on the hazard data supplied in the Safety Data Sheets, for the materials used. provided by the original manufacturers This SDS is compliant with the New Zealand EPA Hazardous Substance (Safety Data Sheets) Notice 2017.

### Abbreviations

**ACVM** Agricultural compounds and veterinary medicines  
**ADR** Accord européen relatif au transport international des marchandises Dangereuses par Route, Transport of Dangerous Goods  
**ECHA** European Chemicals Agency  
**CAS** Chemical Abstracts Service Registry  
**GHS** Globally Harmonised System for Classifying Chemicals  
**HSNO** Hazardous Substances and New Organisms  
**IATA** International Air Transport Association  
**IMDG** International Maritime Dangerous Goods Code  
**NZS** New Zealand Standards  
**PBT** Persistent, Bio-accumulative and Toxic  
**vPvB** very Persistent and very Bio-accumulative  
**%W/W** Percent by weight

### Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**