

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY / UNDERTAKING

Product name: CANNA Organo Acid

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The Netherlands

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2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name: Citric acid solution (50%)

HAZARDOUS INGREDIENT	% (vol.)	CAS nr	Einecs nr	Symbool	R-phrases
Citric acid	50	5949-29-1		Xi	R36

3. HAZARDS IDENTIFICATION

Slightly strong acid, reacts strong with bases and is corrosive. Causes eye and skin irritation. Avoid contact with skin, eyes and clothing.

Eye contact: Causes irritation and possible burns

Skin contact: Causes moderate irritation

Inhalation: Not expected to be a route of exposure

Ingestion: May cause irritation to the gastrointestinal tract

4. FIRST-AID MEASURES

Eye contact: Wash out immediately with plenty of water (minimal 15 minutes). lifting upper and lower eyelids occasionally Get immediate medical attention

Skin contact: Take off immediately all contaminated clothing. Wash with plenty of water. Get medical attention if irritation or burning persists

Inhalation: Remove to fresh air. If breathing is difficult give oxygen. Get immediate medical attention

Ingestion: Do not induce vomiting. Give large quantities of water. Get immediate medical attention

5. FIRE-FIGHTING MEASURES

Water based ingredients. Non- combustible.
Extinguishing media: all media allowed.

6. ACCIDENTAL RELEASE MEASURES

Do not allow to enter drains, sewers or watercourses. Absorb spillage onto sand, earth or any suitable adsorbent material (do not use saw dust) or neutralize with bicarbonate e.g. soda (sodium carbonate; this causes a exothermic reaction!). Wait for several hours and wash the area with water. Transfer to a container for disposal.

7. HANDLING AND STORAGE

Handling: Do not add water to the product (always add product to water)
Use personal protection
Avoid contact with skin or eyes.

Storage: Do not store in the presence of reducing agents, strong bases and heat or fire sources
Keep out of reach of children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personnel protection: ensure proper ventilation ; wear eye/face protection; wear gloves; wear protective clothing

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid
Colour:	Colourless
pH (value):	1
Boiling point (deg C):	104
Density (kg/l):	1.2
Solubility (water):	100 %

10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions.
Materials to avoid:	Reducing agents, strong oxidizers, hypochlorites, zinc, aluminium
Dangerous decomposition products:	No unique hazardous decomposition products are expected

11. TOXICOLOGICAL INFORMATION

Animal toxicology based on 100% Citric acid (dry)	
Oral LD ₅₀	11.7 g/kg (rat)
Irritation	Moderate irritant, 500 mg/24hr, to skin (rabbit) Severe irritant, 750 micrograms/24 hrs, to eyes (rabbit)
Carcinogenicity:	Citric acid is not listed by NTP, IARC, OSHA, EPA, or any other authority as a carcinogen

12. ECOLOGICAL INFORMATION

Decomposition:	Biological degradable
Bio-accumulation:	Does not occur
Mobility:	Water soluble; fast diversion takes place
Ecotoxicity:	Damaging effects on water organisms. Keep out of waterways and groundwater.

13. DISPOSAL CONSIDERATIONS

Dispose of all contaminated product, soil, debris, sorbents and other spill clean-up materials in accordance with applicable federal, state or local procedures

14. TRANSPORT INFORMATION

Transport regulation not applicable.

15. REGULATORY INFORMATION

Symbol(s):	Xi - Irritating
R-Phrase	R36 Irritating to eyes
S-Phrases	S24/25 Avoid contact with skin and eyes

16. OTHER INFORMATION

The data are based on present knowledge. However they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.