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Product name: **ORGANO ACID**

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**1. IDENTIFICATION OF PRODUCT AND COMPANY**

Product name: Organo Acid

Address: CANNA International BV  
P.O. Box 161  
4900 AD Oosterhout NB

Phone: ++31 (0)162 - 494843

Fax: ++31 (0)162 - 495999

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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			

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**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

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**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

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**5. FIRE-FIGHTING MEASURES**

Water based ingredients. Non- combustible.

Extinguishing media: all media allowed.

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**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.

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**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.

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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

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

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

Form:	liquid
Colour:	colourless
Odour:	-
Odour threshold (ppm):	-
pH (value):	1
Boiling point (deg C):	104
Melting point (deg C):	-
Flashpoint (deg C):	-
Flammable limits:	-
Auto ignition temperature (deg C):	-
Explosive properties:	-
HLB:	-
Oxidizing properties:	-
Vapour pressure (mm Hg):	-
Density (kg/l):	1.2
Solubility (water):	100 %
Solubility (other):	-
Partition coefficient:	-
Viscosity (mPa.s):	-

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**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

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**11. TOXICOLOGICAL INFORMATION**

animal toxicology based on 100% Citric acid (dry)

Oral LD<sub>50</sub> 11.7 g/kg (rat)

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Irritation	Product name: <b>ORGANO ACID</b>
	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

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## 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.

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## 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

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## 14. TRANSPORT INFORMATION

Transport regulation not applicable.

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## 15. REGULATORY INFORMATION

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

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## 16. OTHER INFORMATION

These 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.