



# MATERIAL SAFETY DATA SHEET

**Citrox BioKlenz**  
Reference code: 14WP

Page 1  
Issued: 2017.05.16  
Revision No: 1

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

**Product Name:** Citrox BioKlenz  
**Other Names:** Citrox 14WP

**Recommended use:** Citrox BioKlenz is a non-toxic, hypoallergenic, natural organic sanitiser which conforms to NZFSA food standards. All ingredients used to manufacture **Citrox BioKlenz** are GMO free, food grade, plant origin and come from self sustaining crop sources. To be used for the decontamination of food preparation surfaces, as a direct food additive and for water treatment  
Liquid Concentrate to be used at approx. 0.01% to 1% dilution.

**Manufacturer details:** Citrox (NZ) Limited  
PO Box 132254, Sylvia Park,  
Auckland 1644, New Zealand

**Phone:** + 64 09 570 6177

**Fax:** + 64 09 570 5065

**Website:** www.citrox.co.nz

**Emergency contact details:** Dominic Young +64 21 877 993. Also with the Registered Hazardous Chemicals Information Centre 0800 764 766

## 2. HAZARDS IDENTIFICATION

**Hazardous classification:** Non-hazardous.

**Risk phrases:** **S26** In case of contact with eyes, rinse immediately with plenty of water and seek medical advice if irritation persists. 6.4A Contains Citric acid

**Safety phrases:** See sections 4,5,6,7,8,10,12

**Transport classification:** Not classified as **hazardous** under current **New Zealand** regulations

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Proprietary blend of bioflavonoid complex, fruit acids and water.

INGREDIENTS	CAS NUMBER
Citrus pulp extract	68916-04-1
Water (demineralised)	7732-18-5
Citric Acid	77-92-9



# MATERIAL SAFETY DATA SHEET

## Citrox BioKlenz Reference code: 14WP

Page 2  
Issued: 2017.05.16  
Revision No: 1

Glycerin

56-81-5

### 4. FIRST AID MEASURES

**Inhalation:** Non-hazardous.  
**Skin contact:** Non-hazardous.  
**Eye contact:** May cause irritation to eyes. In case of contact with eyes, rinse immediately with plenty of water for at least 15 minutes. 8.3A contains Citric Acid  
**Ingestion:** May sterilise gut. Drink copious quantities of water. Seek medical advice. Show this MSDS to the doctor.  
**Advice to doctor:** Treat symptomatically.  
**Not regarded as a health hazard under current legislation.**

### 5. FIRE FIGHTING MEASURES

**Extinguishing media:** Not combustible. Use any means suitable to fight fire.  
**Hazardous combustion products:** None.  
**Precautions for fire-fighters:** No specialised equipment required.  
**Hazchem Code:** None available, non hazardous.

### 6. ACCIDENTAL RELEASE MEASURES

**Emergency procedures:** There are no special requirements. Product is non-toxic and is completely biodegradable. Non-hazardous if it enters waterways.  
**Spillage Treatment:** **Small:** Wash to drain with large amounts of water.  
**Large:** Wash to drain with copious quantities of water.

### 7. HANDLING AND STORAGE

**Handling:** Keep out of reach of children. Avoid contact with eyes.  
**Storage:** Store in original, sealed containers. Keep away from children. Store above 0°C. Protect from frost.

### 8. EXPOSURE CONTROL/PERSONAL PROTECTION

**Exposure standards:** None set.  
**Environmental Precautions:** No particular / specific measures required.  
**Biological limit values:** None allocated.  
**Engineering controls:** Special ventilation is not required as this substance is non toxic and non hazardous.



# MATERIAL SAFETY DATA SHEET

## Citrox BioKlenz Reference code: 14WP

Page 3  
Issued: 2017.05.16  
Revision No: 1

### Personal protective equipment:

GLOVE TYPE: Wear rubber gloves if prolonged contact with concentrated liquid.

EYE PROTECTION: Wear protective safety goggles or glasses.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Amber liquid
<b>Odour:</b>	No odour when used at recommended levels.
<b>Vapour pressure:</b>	Not available
<b>pH 1% solution:</b>	2.7 – 3.7 (20°C)
<b>Solubility:</b>	Soluble in water, alcohol and glycol.
<b>Density:</b>	1.027- 1.04 (20°C)
<b>Flammability (explosive) limit:</b>	Non-flammable.

## 10. STABILITY AND REACTIVITY

<b>Chemical stability:</b>	Stable
<b>Conditions to avoid:</b>	Avoid excessive heat or cold.
<b>Incompatible materials:</b>	None known
<b>Hazardous decomposition products:</b>	None known
<b>Hazardous reactions</b>	None known

## 11. TOXICOLOGICAL INFORMATION / FIRST AID PROCEDURE

<b>Ingestion:</b>	Seek medical attention. Drink copious amounts of water. May sterilise gut. Non-toxic, non-carcinogenic. Acute toxicity LD 50>5000mg/kg live weight.
<b>Eyes:</b>	Mild irritation on contact. Immediately flush eye with eye-wash solution or clean water for at least 10 minutes
<b>Skin contact:</b>	May cause skin irritation. Wash with water if symptoms remain and seek medical advice.
<b>Inhalation:</b>	Non hazardous. Non-volatile liquid product.

## 12. ECOLOGICAL INFORMATION

<b>Eco-toxicity:</b>	Non toxic. No adverse effects. 9.1D
<b>Persistence / degradability:</b>	Biodegradable
<b>Accumulation:</b>	None known.



# MATERIAL SAFETY DATA SHEET

## Citrox BioKlenz

Reference code: 14WP

Page 4  
Issued: 2017.05.16  
Revision No: 1

### 13. DISPOSAL CONSIDERATIONS

#### Disposal method:

Flush to drain with copious quantities of water. Disposal should be in accordance with waste disposal or water authority regulations. Containers in accordance with local and state regulations. Does not contaminate streams, rivers or waterways.

### 14. TRANSPORT INFORMATION

**UN number:** Not applicable  
**Proper shipping name:** Not applicable  
**Class and subsidiary risk:** Not applicable  
**Packing group:** Not applicable  
**Special precautions for user:** Not applicable  
**Hazchem code:** Not applicable

Only transport in original containers in upright position. Never remove containers from cardboard containers before transporting. Unless containers are palletised never transport stacked more than 2 high.

### 15. REGULATORY INFORMATION

**Chemical:** Classified as non toxic food additive under FSANZ standards

**Risk Phrases, Safety Phrases: S26** In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

### 16. OTHER INFORMATION

All information contained in this Material Safety Data Sheet and the health, safety and environmental information are considered to be accurate to the best of our knowledge as of the issue date specified above. However, no warranty or representation, expressed or implied, is made as to the accuracy or completeness of the data and information contained in this data sheet.

Health and safety precautions and environmental advice noted in this data sheet may not be accurate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations.

This information given is based on our knowledge of the product at the time of publication. The attention of the user is drawn to the possible risks incurred by using the product for any other purpose other than that for which it was intended. **END OF MSDS.**

