

# MATERIAL SAFETY DATA SHEET

## BioAlexin

Reference code: BA

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Issued: 2017.05.16  
Revision No: 1

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

**Product Name:** BioAlexin  
**Other Names:** Reference code: BA

**Recommended use:** BioAlexin is a product which enhances the immune response of the plant at times of stress and helps protect the plants from bacterial and fungal attack.

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

**Phone:** + 64 9 930 9276  
**Fax:** + 64 9 570 5065  
**Website:** www.citrox.co.nz

**Emergency contact details:** Samuel Piper +64 21 579 716. Also with the Registered Hazardous Chemicals Information Centre 0800 764 766

### 2. HAZARDS IDENTIFICATION

**Hazardous classification:** Non-hazardous.  
**Risk phrases:** In case of contact with eyes, rinse immediately with plenty of water and seek medical advice if irritation persists.  
**Safety phrases:** See sections 4,5,6,7,8,10,12  
**ADG classification:** Not a dangerous good for transport by road or rail

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Proprietary blend of bioflavonoid complex, fruit acids and water.

INGREDIENTS	CAS NUMBER
Citrus extract	68916-04-1
Water (demineralised)	7732-18-5
Citric Acid	77-92-9
Glycerin	56-81-5
Palm Oil extract	8002-75-3



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### 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.  
**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:** Flush 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.  
**Personal protective equipment:** Wear protective safety goggles or glasses.



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### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Amber liquid
<b>Odour:</b>	Slight Coconut
<b>Vapour pressure:</b>	Not available
<b>pH:</b>	3.0 – 3.5 (20°C) at 1%
<b>Solubility:</b>	Soluble in water, alcohol and glycol.
<b>Density:</b>	0.98- 1.01 (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>	Drink copious amounts of water.
<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>	Wash the affected area with plenty of water.
<b>Inhalation:</b>	Non hazardous. Non-volatile liquid product.

### 12. ECOLOGICAL INFORMATION

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

### 13. DISPOSAL CONSIDERATIONS

<b>Disposal method:</b>	Disposed of containers in accordance with local and state regulations. Do not contaminate streams, rivers or waterways.
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### 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 NZFSA 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.**

