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MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: CitroZine® - Active Ingredient
Other Names: Citrofresh Super Concentrate
INCI name: Citrus aurantium amara extract
Recommended Use: A non-rinse contact sanitiser/disinfectant/preservative for surfaces, produce washing and as a natural preservative in cosmetic, personal care and healthcare products. It is organic, food contact safe, non-toxic, non-allergenic, non-corrosive, non mutagenic and 99.99% biodegradable.

**Manufacturer/
Supplier Details:** GDM Technologies Pty Ltd (ABN: 99 091 263 704)
4-8 Rodney Road
North Geelong, Victoria 3215, Australia.

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2. HAZARDS IDENTIFICATION

NON HAZARDOUS – NON DANGEROUS

Hazardous classification: Not Hazardous
Risk phrases: None applicable
Safety phrases: See sections 4,5,6,7,8,10,12
ADG classification: Not a dangerous good for transport by road or rail according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

3. COMPOSITION/ INFORMATION OR INGREDIENTS

Ingredient	CAS number
Water (demineralised)	7732-18-5
Ascorbic Acid	50-81-7
Malic Acid	97-67-6
Citric Acid	77-92-9
Glycerine	56-81-5
Bitter Orange Extract (Bioflavonoid Complex)	72968-50-4

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.

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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 99.99% biodegradable. Non-hazardous if it enters waterways.
Methods and Materials:	Does not require rinsing. Use operator discretion.

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.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure standards:	None set.
Biological limit values:	None allocated
Engineering controls:	Special ventilation is not required as this substance is non toxic and non hazardous.
Personal protective equipment:	- CLOTHING: Not relevant. - GLOVE TYPE: Not relevant. - EYE PROTECTION: Wear protective goggles or glasses.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Dark amber liquid.
Odour:	No odour when used at recommended levels
Vapour pressure:	Not available
Boiling point:	100°C
Freezing point:	0°C
pH:	1.2 – 1.5 (20°C)
Solubility:	Infinitely soluble in water alcohols and glycols.
Specific gravity:	1.20 - 1.23 (20°C)
Flammability (explosive) limit:	Non-flammable

10. STABILITY AND REACTIVITY

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

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Hazardous reactions: None known

11. TOXICOLOGICAL INFORMATION

Ingestion: May sterilise gut. Non toxic, non carcinogenic. Acute toxicity LD 50 >5000mg/kg live weight.
Eyes: Irritation to eyes, slight corneal iris injury may cause moderate redness.
Skin contact: Non hazardous, non toxic and non allergenic
Inhalation: Non hazardous

12. ECOLOGICAL INFORMATION

Ecotoxicity: Non toxic
Persistence and degradability: 99.99% biodegradable
Mobility: Not available

13. DISPOSAL CONSIDERATIONS

Disposal methods: Dilute with water and rinse containers into use.
Dispose of containers in accordance with local and state regulations. Do 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

15. REGULATORY INFORMATION

No regulatory information.

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.

End of MSDS FOR CITROZINE