

Infosafe No™	3CHEW	Issue Date : January 2018	RE-ISSUED by KINETIKP
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Product Name : **Tri-Sodium Citrate 109 mmol/l**

Not classified as hazardous

1. Identification

GHS Product Identifier	Tri-Sodium Citrate 109 mmol/l
Product Code	932
Product Type	Water solution of ingredients.
Company Name	Kinetik Pty Ltd (ABN 53 605 811 532)
Address	Unit 10, 12 - 16 Robart Court, Narangba Queensland 4506 Australia
Telephone/Fax Number	Tel: 07 3203 0401 Fax: 07 3203 0421
Recommended use of the chemical and restrictions on use	ESR assay reagent.
Other Information	EMERGENCY CONTACT NUMBER: +61 07 3203 0401 Business hours: 8:30am to 5:00pm, Monday to Friday.

Kinetik Pty Ltd does not warrant that this product is suitable for any use or purpose. The user must ascertain the suitability of the product before use or application intended purpose. Preliminary testing of the product before use or application is recommended. Any reliance or purported reliance upon Kinetik Pty Ltd with respect to any skill or judgement or advice in relation to the suitability of this product of any purpose is disclaimed. Except to the extent prohibited at law, any condition implied by any statute as to the merchantable quality of this product or fitness for any purpose is hereby excluded. This product is not sold by description. Where the provisions of Part V, Division 2 of the Trade Practices Act apply, the liability of Kinetik Pty Ltd is limited to the replacement of supply of equivalent goods or payment of the cost of replacing the goods or acquiring equivalent goods.

2. Hazard Identification

GHS classification of the substance/mixture	Classified as non-Hazardous according to the Globally Harmonised System of classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia. Not classified as dangerous goods according to the Australian Dangerous Goods Code (ADG).
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3. Composition/information on ingredients

Ingredients	Name	CAS	Proportion	Hazard Symbol	Risk Phrase
	Thimerosal	54-64-8	9 ppm		
	Tri-sodium citrate	68-04-2	3.2 %		
	Water to make a total of 100%	7732-18-5	-		
Other Information	This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non hazardous ingredients are also possible.				

4. First-aid measures

Inhalation	Inhalation of any vapours from this product is not likely to present an acute hazard.
Ingestion	Rinse mouth thoroughly with water immediately, repeat until all traces of product have been removed. Give water to drink. DO NOT INDUCE VOMITING. Seek medical advice if symptoms persist.
Skin	Irritation unlikely. If irritation occurs wash with plenty of soap and water.
Eye contact	Immediately irrigate with copious quantity of water for at least 15 minutes. Eyelids to be held open. If rapid recovery does not occur, obtain medical attention
First Aid Facilities	Maintain eyewash fountain and safety shower in work area.
Advice to Doctor	Treat symptomatically based on judgement of doctor and individual reactions of the patient.
Other Information	For advice, contact the National Poisons Information Centre (Phone Australia 13 11 26; New Zealand 0800 764 766) or a doctor.

5. Fire-fighting measures

Hazards from Combustion Products	No significant quantities of decomposition products are expected at temperatures normally achieved in a fire.
Specific Methods	This product contains a substantial proportion of water therefore there are no restrictions on the type of extinguishing media which may be used. No limitations to the type of extinguishing media.

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6. Accidental release measures

Personal Protection Wear protective clothing specified for normal operations (see Section 8)

Clean-up Methods - Small Spillages Absorb or contain liquid with sand, earth or spill control material. Shovel up using non sparking tools and place in a labelled, sealable container for subsequent safe disposal. Put leaking containers in a labelled drum or overdrum.

7. Handling and storage

Precautions for Safe Handling No specific measures

8. Exposure controls/personal protection

Other Exposure Information No exposure standard has been established for this product.

Appropriate engineering controls No special equipment required.

Respiratory Protection Not normally required.

Eye Protection Normally not required but if in doubt ensure eye protection complies with Australian Standards AS 1337 and be selected and used in accordance with AS 1336.

Hand Protection Normally not required but if in doubt ensure hand protection should complies with AS 2161, Occupational protective gloves - Selection, use and maintenance.

Personal Protective Equipment Final choice of personal protective equipment will depend on individual circumstances and/or according to risk assessments undertaken.

Hygiene Measures Always wash hands before smoking, eating or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

9. Physical and chemical properties

Appearance Clear colourless solution.

Odour Odourless.

Melting Point Approx. 0°C

Boiling Point Approx. 100°C at 100kPa.

Solubility in Water Completely.

Specific Gravity 1.00

pH 7.3 (after dilution 1 part to 20 parts water)

Vapour Pressure 2.37 kPa at 20°C (water vapour pressure)

Flammability Non flammable.

10. Stability and reactivity

Chemical Stability Stable under normal use conditons.

Conditions to Avoid None known

Incompatible Materials None known

Hazardous Decomposition Products No significant quantities of decomposition products are expected at temperatures normally achieved in a fire.

Hazardous Polymerization Will not occur.

11. Toxicological Information

Toxicology Information No adverse health effects expected if the product is handled in accordance with this Material Safety Data Sheet and the product label.

Ingestion Significant oral exposure is considered to be unlikely. Unlikely to causes any irritation problems.

Inhalation Unlikely to cause any irritation or discomfort.

Skin No adverse effects expected.

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Eye	Believed to be non irritating to the eyes.
Carcinogenicity	Not classified as a human carcinogen. IARC: Hydrochloric Acid is Class 3 - unclassifiable as to carcinogenicity to humans.
Mutagenicity	No evidence of mutagenic properties.

12. Ecological information

Ecotoxicity	The product is believed to not be a dangerous to the environment with respect to mobility, persistency and degradability, bioaccumulative potential, aquatic toxicity and other measures or relating to ecotoxicity.
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13. Disposal considerations

Disposal Considerations	Whatever cannot be saved for recovery or recycling should be disposed of according to relevant local, state and federal government regulations.
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14. Transport information

Transport Information	Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.
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15. Regulatory information

Regulatory Information	All of the significant ingredients in this formulation are compliant with NICNAS regulations.
Poisons Schedule	Not Scheduled

16. Other Information

Literature References	'Standard for the Uniform Scheduling of Medicines and Poisons .', Commonwealth of Australia. Lewis, Richard J. Sr. 'Hawley's Condensed Chemical Dictionary 13th. Ed.', Rev., John Wiley and Sons, Inc., NY, 1997. National Road Transport Commission, 'Australian Code for the Transport of Dangerous Goods by Road and Rail 7th. Ed.', 2007. Safe Work Australia, 'National Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals', 2011. Standards Australia, 'SAA/SNZ HB 76:2010 Dangerous Goods - Initial Emergency Response Guide', Standards Australia/Standards New Zealand, 2010. Safe Work Australia, 'Approved Criteria for Classifying Hazardous Substances [NOHSC:1008 (2004)]'. Safe Work Australia, 'Hazardous Substances Information System, 2005'. Safe Work Australia, 'National Code of Practice for the Labelling of Safe Work Hazardous Substances (2011)'. Safe Work Australia, 'National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995) 3rd Edition]'.
Contact Person/Point	DISCLAIMER STATEMENT: All information provided in this data sheet or by our technical representatives is compiled from the best knowledge available to us. However, since data, safety standards and government regulations are subject to change and the conditions of handling and use, or misuse, are beyond our control, we make no warranty either expressed or implied, with respect to the completeness or accuracy to the information contained herein. Kinetik Pty Ltd accepts no responsibility whatsoever for its accuracy or for any results that may be obtained by customers from using the data and disclaims all liability for reliance on information provided in this data sheet or by our technical representatives. ...End Of MSDS...

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