

Infosafe No™	3CHE6	Issue Date : August 2017	RE-ISSUED by KINETIKP
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Product Name : **AMMONIUM CHLORIDE LYSING Solution x 10 concentrate**

Not classified as hazardous

1. Identification

GHS Product Identifier AMMONIUM CHLORIDE LYSING Solution x 10 concentrate
Product Code 933
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 Lysing of blood cells.
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).

3. Composition/information on ingredients

Ingredients	Name	CAS	Proportion	Hazard Symbol	Risk Phrase
	Ammonium chloride	12125-02-9	8.99 %		
	Potassium Hydrogen Carbonate	298-14-6	1 %		
	EDTA Acid	60-00-4	0.037 %		
	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. DO NOT INDUCE VOMITING. Seek medical advice if effects 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.
First Aid Facilities Maintain eyewash fountain and safety shower in work area.
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.
 This will only occur after heating to dryness. Fire decomposition products from this product are likely to be irritating if inhaled.
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

Occupational exposure limit values	Name	STEL		TWA		Footnote
		mg/m3	ppm	mg/m3	ppm	
	Ammonium chloride	20		10		Ammonium chloride (fume)
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	1.05 - 1.10
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 No particular incompatibilities.

Hazardous Decomposition Products Only small quantities of decomposition products are expected from this products at temperatures normally achieved in a fire. This will only occur after heating to dryness. Carbon dioxide, and if combustion is incomplete, carbon monoxide and smoke. Nitrogen and its compounds, and under some circumstances, oxides of nitrogen. Occasionally hydrogen cyanide gas. Hydrogen chloride gas, other compounds of chlorine. Water, potassium compounds. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment, and unconsciousness followed by coma and death.

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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. However, this product may be irritating to mucous membranes but is unlikely to cause anything more than transient discomfort.

Inhalation Unlikely to cause any irritation or discomfort.

Skin No adverse effects expected, may be mildly irritating, but unlikely to cause anything more than mild discomfort which should disappear once contact ceases.

Eye This product may be irritating to eyes, but is unlikely to cause anything more than mild transient discomfort.

Carcinogenicity Not classified as a human carcinogen.

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.

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.

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.

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 No. 15', Commonwealth of Australia, November 2016.
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

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