



Material Safety Data Sheet

CS: 1.4.93

Page: 1 of 4

Infosafe No™ 3JAGY Issue Date : January 2011 ISSUED by JASOL

Product Name **EC14 - AUTOFEED WAREWASHING RINSE AID (NZ)**

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

Product Name EC14 - AUTOFEED WAREWASHING RINSE AID (NZ)
Product Code EC14
Product Use EC14 - Automatic Warewashing Rinse Aid is introduced during the rinse cycle at a very low concentration of 1-2 ml/L of rinse water via automatic dosing equipment. This equipment is provided and serviced by Jasol. For best results flash drying at 80-90C is recommended.
 In domestic style dishwashers the rinse additive is dispensed from a small reservoir unit which must be kept full.
Company Name JASOL
Address Building A, Level 1, 7-11 Talavera Road, North Ryde
 NSW 2113
Emergency Tel. 1 800 629 953
Telephone Tel: (02) 9815 7300
Number/Fax Fax: (02) 9805 0152
Other Information N.Z.: 159 Marua Road, Ellerslie 1005, Ph (09) 571 4385, Fx (09) 571 4388

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Liquid
Characterization
Ingredients

<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
Water	7732-18-5	60-100 %
Ingredients determined not to be hazardous		0-10 %
Non hazardous surfactants	Mixture	10-30 %

3. HAZARDS IDENTIFICATION

Considered a Hazardous Substance according to the criteria of the New Zealand Hazardous Substances New Organisms legislation.
 Not classified as Dangerous Goods for transport according to the New Zealand Standard NZS 5433:2007 Transport of Dangerous Goods on Land.
 GHS Classification
 Eye Irritation Category 2B
 Skin Corrosion/Irritation Category 3
 EMERGENCY OVERVIEW
 HAZARD
 WARNING
 Determined using GHS/HSNO criteria:
 6.3B 6.4A
 Causes mild skin irritation
 Causes eye irritation
 PRECAUTIONARY STATEMENTS
 Prevention
 Wash thoroughly after handling.
 Response
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 If skin irritation occurs: Get medical advice/ attention.
 If eye irritation persists: Get medical advice/attention.
Chronic Effects Prolonged or repeated skin contact may lead to dermatitic effects.
Inhalation Low hazard due to non-volatile nature of product.
Ingestion Harmful. May cause gastric upset, with nausea and vomiting.
Skin Will have a degreasing effect on the skin which may lead to irritation.
Eye Moderate irritant.
Other Information LD50 Surfactant > 3,100 mg/kg oral, mouse



Infosafe No™ 3JAGY Issue Date : January 2011 ISSUED by JASOL

Product Name **EC14 - AUTOFEED WAREWASHING RINSE AID (NZ)**

4. FIRST AID MEASURES

Inhalation	Remove from exposure.
Ingestion	Do NOT induce vomiting. Give a glass of water to be taken.
Skin	If skin contact occurs, remove contaminated clothing and wash skin thoroughly.
Eye	If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.
First Aid Facilities	Eye wash station and normal washroom facilities.
Advice to Doctor	Product is a solution of nonionic surfactants and citric acid. Vomiting has not been induced because of risk of aspiration into the lungs. Contact Poisons Information Centre. Treat symptomatically.
Symptoms and Effects	No adverse health effects expected if the product is handled in accordance with this MSDS and the product label.

5. FIRE FIGHTING MEASURES

Extinguishing Media	Use water or extinguishing media appropriate to surrounding fire.
Specific Methods	In case of small fire/explosion use water. In case of major emergency use PPE: as required for other chemicals present.
Hazardous Combustion Products	Water vapour, carbon dioxide. Incomplete combustion, after evaporation of water, may generate carbon monoxide.
Flash Point	None
Flammability	Not flammable.

6. ACCIDENTAL RELEASE MEASURES

Spills & Disposal	Disposal of small spillages only. For large spillages liquids should be contained using sand or earth, and both liquids and solids then transferred to salvage containers. Residues should be treated as for small spillages. CAUTION: Before dealing with spillage take necessary protective measures, inform others to keep at a safe distance and, for flammable materials, shut off all possible sources of ignition. CARE! Spillages will be very slippery. If local regulations permit, mop up with plenty of water and run to waste, diluting greatly with running water. Otherwise absorb on inert absorbent, transfer to sealed container and arrange removal by disposals company. Wash site of spillage thoroughly with water. Ventilate area to dispel any residual vapours.
------------------------------	--

7. HANDLING AND STORAGE

Storage	Store in a cool, well ventilated place, out of reach of children. Large quantities should be stored in a bunded area. Store in original container. Keep container tightly closed. Keep away from naked flames and other sources of ignition. No smoking. Take precautions against static discharge. Prevent vapours from collecting in enclosed spaces. Keep away from oxidising agents. Protect from physical damage. Clean up all spills and splashes promptly; avoid secondary accidents.
----------------	--

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal Protective Equipment	Avoid contact with the skin and eyes. Avoid breathing the vapour. Personal protection to be selected from those recommended below, as appropriate to mode of use, quantity handled and degree of hazard:- Safety glasses Gloves, rubber or plastic For normal use as a rinse aid for dishwashing machines, no PPE required. Always maintain a high level of personal hygiene when using this product. That is wash hands before eating, drinking, smoking or using the toilet.
Eng. Controls	Avoid sparks and naked flames. Consider local mechanical exhaust/extraction to keep airborne contamination below TLV.

9. PHYSICAL AND CHEMICAL PROPERTIES



Material Safety Data Sheet

CS: 1.4.93

Page: 3 of 4

Infosafe No™ 3JAGY	Issue Date : January 2011	ISSUED by JASOL
--------------------	---------------------------	-----------------

Product Name **EC14 - AUTOFEED WAREWASHING RINSE AID (NZ)**

Appearance	Clear, blue, mobile liquid. Miscible with water in all proportions.
Odour	No odour.
Boiling Point	No data.
Solubility in Water	Miscible with water in all proportions.
Specific Gravity (H₂O=1)	1.0
pH Value	2-3
Flash Point	None
Flammability	Not flammable.

10. STABILITY AND REACTIVITY

Stability	Product is chemically stable.
------------------	-------------------------------

11. TOXICOLOGICAL INFORMATION

Inhalation	Low hazard due to non-volatile nature of product.
Ingestion	Harmful. May cause gastric upset, with nausea and vomiting.
Skin	Will have a degreasing effect on the skin which may lead to irritation.
Eye	Moderate irritant.
Chronic Effects	Prolonged or repeated skin contact may lead to dermatitic effects.

12. ECOLOGICAL INFORMATION

This product does not contain phosphates. Product is GECA (Good Environmental Choice Australia) certified. Product is based on readily biodegradable surfactants.

13. DISPOSAL CONSIDERATIONS

Waste Disposal	Land fill, incineration, sewer (small quantities). Refer to Land Waste Management Authority in your State.
-----------------------	--

14. TRANSPORT INFORMATION

Not classified as Dangerous Goods for transport according to the New Zealand Standard NZS 5433:2007 Transport of Dangerous Goods on Land.

15. REGULATORY INFORMATION

	Considered a Hazardous Substance according to the criteria of the New Zealand Hazardous Substances New Organisms legislation.
Poisons Schedule	Not Scheduled

16. OTHER INFORMATION

Contact Person/Point	The company has taken care in compiling this information. No liability is accepted whether direct or indirect from its application since the conditions of final use are outside the Company's control. The end user is obliged to conform to relevant government regulations and/or patent laws applicable in their respective States of Countries. Contact Technical Manager in your state for more information. 24-Hour Emergency Telephone: AUS: 1800 629 953 NZ: Poisons 0800 764 766, Spills 111 FIRE W.A. 131 Garling Street, O'Connor WA 6163, Ph. (08) 9337 4844, Fx (08) 9314 1099 VIC. 41-45 Tarnard Drv, Braeside Vic 3195, Ph. (03) 9580 5722, Fx (03) 9580 9902 S.A. 483-485 South Rd, Regency Park SA 5010, Ph (08) 8346 4322, Fx (08) 8346 4313 QLD. Unit 1/22 Eastern Service Rd, Stapylton QLD 4207, Ph (07) 3380 8100, Fx (07) 3380 8199 NSW. 9 Davis Road, Wetherill Park NSW 2164, Ph. (02) 9725 5511, Fx (02) 9725 5564
-----------------------------	--



Material Safety Data Sheet

CS: 1.4.93

Page: 4 of 4

Infosafe No™ 3JAGY	Issue Date : January 2011	ISSUED by JASOL
--------------------	---------------------------	-----------------

Product Name **EC14 - AUTOFEED WAREWASHING RINSE AID (NZ)**

**Signature of
Preparer/Data
Service**

N.Z. 159 Marua Road, Ellerslie 1005, Ph (09) 571 4385, Fx (09) 571 4388
N.Z. 105 Rutherford Street, Christchurch, Ph (03) 384 4433, Fx (03) 384 4431
Technical Manager

**Uses and
Restrictions**

The (M)SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings.

**Technical Contact
Numbers**

NEW ZEALAND POISONS INFORMATION CENTRE 0800 POISON (0800 764 766)
NZ EMERGENCY SERVICES: 111

Poisons Schedule

Not Scheduled

...End Of MSDS...

© Copyright ACOHS Pty Ltd

Copyright in the source code of the HTML, PDF, XML, XFO and any other electronic files rendered by an Infosafe system for Infosafe MSDS displayed is the intellectual property of Acohs Pty Ltd.

Copyright in the layout, presentation and appearance of each Infosafe MSDS displayed is the intellectual property of Acohs Pty Ltd.
The compilation of MSDS's displayed is the intellectual property of Acohs Pty Ltd.

Copying of any MSDS displayed is permitted for personal use only and otherwise is not permitted. In particular the MSDS's displayed cannot be copied for the purpose of sale or licence or for inclusion as part of a collection of MSDS without the express written consent of Acohs Pty Ltd.