



Material Safety Data Sheet

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Infosafe No™ 3JAGU

Issue Date : January 2011

ISSUED by JASOL

Product Name **EC15 - GLASS WASHING DETERGENT (NZ)**

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

Product Name	EC15 - GLASS WASHING DETERGENT (NZ)
Product Code	EC15
Product Use	In general for washing glasses, a concentration of 3 ml EC15 - Glass Wash Detergent per litre of hot water is recommended. When used in a glass washing machine, EC15 - Glass Wash Detergent may have to be diluted prior to addition to the detergent dispenser. Machine operating temperature should be set to 70C minimum.
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 Characterization	Liquid																		
Ingredients	<table><thead><tr><th><u>Name</u></th><th><u>CAS</u></th><th><u>Proportion</u></th></tr></thead><tbody><tr><td>Water</td><td>7732-18-5</td><td>60-100 %</td></tr><tr><td>Potassium hydroxide</td><td>1310-58-3</td><td>0-2 %</td></tr><tr><td>Non hazardous surfactants</td><td>Mixture</td><td>0-10 %</td></tr><tr><td>Ingredients determined not to be hazardous</td><td></td><td>0-10 %</td></tr><tr><td>Alkaline Salts</td><td></td><td>0-5 %</td></tr></tbody></table>	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>	Water	7732-18-5	60-100 %	Potassium hydroxide	1310-58-3	0-2 %	Non hazardous surfactants	Mixture	0-10 %	Ingredients determined not to be hazardous		0-10 %	Alkaline Salts		0-5 %
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Non hazardous surfactants	Mixture	0-10 %																	
Ingredients determined not to be hazardous		0-10 %																	
Alkaline Salts		0-5 %																	
Other Information	No adverse health effects expected if the product is handled in accordance with this MSDS and the product label.																		

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
Respiratory Irritation Category 3
Serious Eye Damage Category 1
Skin Corrosion/Irritation Category 2
EMERGENCY OVERVIEW
HAZARD
DANGER
Determined using GHS/HSNO criteria:
6.3A 8.3A
Causes skin irritation
Causes serious eye damage
PRECAUTIONARY STATEMENTS
Prevention
Avoid breathing dust/fume/gas/mist/vapours/spray.
Wash thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Wear protective gloves/protective clothing/eye protection/face protection.
Response
IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a POISON CENTER or doctor/physician.
Call a POISON CENTER or doctor/physician if you feel unwell.
Storage



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Product Name **EC15 - GLASS WASHING DETERGENT (NZ)**

	Store in a well-ventilated place. Keep container tightly closed. Store locked up.
Chronic Effects	Irritant dermatitis may result from frequent skin contact with the material. Low systemic toxicity.
Inhalation	Inhalations of high concentrations of hot vapour is irritating to the respiratory tract and may cause headaches, drowsiness and nausea. When diluted as directed, symptoms of irritation are unlikely to occur.
Ingestion	Irritant to mouth, throat. Likely to cause gastric upset, with nausea and vomiting.
Skin	Alkaline material. Irritant to skin.
Eye	Severe irritant, may cause permanent injury.
Other Information	LD 50 : Alkaline salts 1,100 - 7,400 mg/kg oral, rat Potassium Hydroxide: 365mg/kg oral, rabbit LC 50 : Alkaline salts 2,300 mg/m3/2 hrs, rat

4. FIRST AID MEASURES

Inhalation	Remove from exposure.
Ingestion	If swallowed, do NOT induce vomiting. Give a glass of water to be taken slowly.
Skin	If skin contact occurs, remove contaminated clothing and wash skin thoroughly. Wash clothing before re-use.
Eye	If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.
First Aid Facilities	Recommended: Eye wash. Hand wash basin.
Advice to Doctor	Product contains alkaline salts. Vomiting has not been induced because of risk of aspiration into the lungs. Contact Poisons Information Centre.

5. FIRE FIGHTING MEASURES

Extinguishing Media	Water, or as for other chemicals present.
Specific Methods	In case of small fire/explosion use water. In case of major emergency use PPE: breathing apparatus and protective gloves.
Specific Hazards	Not a fire hazard. May react vigorously with acids, generating carbon dioxide, a simple asphyxiant.
Hazardous Combustion Products	Water vapour, carbon dioxide, oxides of nitrogen.
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 may be slippery when wet. If local regulations permit, mop up with plenty of water and run to waste, diluting greatly with running water. Otherwise transfer to container and arrange removal by disposals company. Wash site of spillage thoroughly with water.
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7. HANDLING AND STORAGE

Storage	Store in a dry, well ventilated place, out of reach of children. Store in original container. Keep container closed. Keep away from acids. Keep away from oxidising agents. Protect from physical damage. Clean up all spills promptly; avoid secondary accidents.
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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards	Name	STEL	TWA
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	<u>mg/m3</u>	<u>ppm</u>	<u>mg/m3</u>	<u>ppm</u>	<u>Footnote</u>
	Potassium hydroxide		2		Peak limitation
Personal Protective Equipment	Avoid contact with the skin and eyes. 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				
Eng. Controls	Always maintain a high level of personal hygiene when using cleaning chemicals. That is wash hands before eating, drinking, smoking or using the toilet. None for normal domestic use, other than ensuring good ventilation. If handling industrial quantities, consider local mechanical exhaust/extraction.				

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear mobile liquid, no odour.
Odour	No odour.
Solubility in Water	Miscible in water in all proportions.
Specific Gravity (H2O=1)	1.1
pH Value	12.7-13.4
Flash Point	None.
Flammability	Not flammable.

10. STABILITY AND REACTIVITY

Stability	Product is chemically stable.
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11. TOXICOLOGICAL INFORMATION

Inhalation	Inhalations of high concentrations of hot vapour is irritating to the respiratory tract and may cause headaches, drowsiness and nausea. When diluted as directed, symptoms of irritation are unlikely to occur.
Ingestion	Irritant to mouth, throat. Likely to cause gastric upset, with nausea and vomiting.
Skin	Alkaline material. Irritant to skin.
Eye	Severe irritant, may cause permanent injury.
Chronic Effects	Irritant dermatitis may result from frequent skin contact with the material. Low systemic toxicity.

12. ECOLOGICAL INFORMATION

Product is GECA (Good Environmental Choice Australia) certified. Product is based on readily biodegradable surfactants. Contains ingredients based on renewable resources i.e. plant based raw materials.

13. DISPOSAL CONSIDERATIONS

Waste Disposal	Land fill, sewer (small quantities). Refer to Land Waste Management Authority in your State.
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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. This substance should be managed in accordance with the requirements specified in the Cleaning Products (Corrosive) Group Standard 2006, HSNO Approval Number HSR002526.



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Product Name **EC15 - GLASS WASHING DETERGENT (NZ)**

Risk Phrase	R36/38 Irritating to eyes and skin.
Safety Phrase	S2 Keep out of reach of children. S25 Avoid contact with eyes. S37/39 Wear suitable gloves and eye/face protection. S45 In case of accident or if you feel unwell seek medical advice immediately
Poisons Schedule	S5
Hazard Category	Irritant

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 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
Signature of Preparer/Data Service 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	S5
Hazard Category	Irritant ...End Of MSDS...

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