



Material Safety Data Sheet

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Infosafe No™ 3JAH4 Issue Date : February 2011 ISSUED by JASOL

Product Name **EC4 - GLASS CLEANER (NZ)**

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

Product Name EC4 - GLASS CLEANER (NZ)
Product Code EC4
Product Use EC4 - Glass Cleaner is most easily used with an atomiser hand spray. Use EC4 - Glass Cleaner diluted with water at a rate of 1:1 to up to 1:5. Spray onto the glass surface rub well with an absorbent dry cloth until dry. If the cloth becomes too damp, turn to a new surface or use another. EC4 - Glass Cleaner may also be used for cleaning laminated surfaces, chrome, vinyl and baked enamel surfaces. Do not use on wooden furniture, waxed or polished finishes.
Company Name JASOL
Address Building A, Level 1, 7-11 Talavera Road, North Ryde NSW 2113
Emergency Tel. 1 800 629 953
Telephone Number/Fax Tel: (02) 9815 7300 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	Name	CAS	Proportion
	Methylated spirits		0-10 %
	Water	7732-18-5	60-100 %
	Ingredients determined not to be hazardous		0-10 %
	Non hazardous surfactants	Mixture	0-1 %

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
Flammable Liquid Category 4
EMERGENCY OVERVIEW
HAZARD
Determined using GHS/HSNO criteria:
3.1D
Combustible Liquid
PRECAUTIONARY STATEMENTS
Prevention
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Wear protective gloves/protective clothing/eye protection/face protection.
Storage
Store in a well-ventilated place. Keep cool.
Chronic Effects Long term exposure to ethanol vapour may lead to symptoms of alcoholism. Methylated spirit is a central nervous system depressant.
Inhalation Vapour is irritant to mucous membranes and respiratory tract.
Ingestion May irritate throat and gastrointestinal tract. May cause gastric upset.
Skin Will have a strong degreasing effect on the skin. May cause irritation. Prolonged skin contact may lead to irritant contact dermatitis.
Eye Moderate irritant. If contact is prolonged, may cause tissue injury. Vapour can also irritate the eyes.
Other Information LD50 Mixed surfactants: >5000mg/kg oral, rat.

4. FIRST AID MEASURES



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Inhalation	Remove from exposure. If aspirated into the lungs, obtain immediate medical attention.
Ingestion	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.
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	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 extinguishing media appropriate to surrounding fire.
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. Not an explosion hazard.
Hazardous Combustion Products	Water vapour, carbon dioxide and oxides of sulphur. Incomplete combustion may generate carbon monoxide.
Flash Point	None
Flammability	Not flammable.

6. ACCIDENTAL RELEASE MEASURES

Spills & Disposal	Before dealing with spillage take necessary protective measures, inform others to keep at a safe distance. Spillages will be very slippery. Contain large spills with an inert material such as sand, soil or vermiculite. Collect and seal in properly labelled containers for disposal. Small spills may be mopped up. If local regulations permit, wash down area with excess water and run to waste, diluting greatly with running water. Otherwise absorb on inert absorbent, transfer to container and arrange removal by disposals company. Wash site of spillage thoroughly with water. Ventilate area to dispel any residual vapour.
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7. HANDLING AND STORAGE

Storage	Store in cool place in original container. Store away from oxidising agents, acids and foodstuffs. Keep containers closed when not in use. Store out of reach of children. Large quantities should be stored in a bunded area. Do not mix with other chemicals. Clean up all spills and splashes promptly; avoid secondary accidents.
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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal Protective Equipment	Prevent contact with the eyes. Avoid contact with the skin. Avoid breathing vapours. Personal protection to be selected from those recommended below, as appropriate to mode of use, quantity handled and degree of hazard:- Safety glasses where risk of splashing exists; Gloves, rubber or plastic where repeated contact with skin occurs. For normal use as a glass/window cleaner, PPE is not required. Always maintain a high level of personal hygiene when using cleaning chemicals. That is wash hands before eating, drinking, smoking or using the toilet.
Eng. Controls	None for normal domestic use. If handling industrial quantities, consider local mechanical exhaust/extraction to keep airborne concentration below TLV.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear blue mobile liquid with mild alcoholic odour.
Odour	Mild alcoholic odour.



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Boiling Point	> 80C
Solubility in Water	Miscible with water in all proportions.
Specific Gravity (H2O=1)	1.0
pH Value	10.0 - 11.0
Vapour Pressure	Not available.
Colour	Blue.
Flash Point	None
Flammability	Not flammable.

10. STABILITY AND REACTIVITY

Stability Product is chemically stable.

11. TOXICOLOGICAL INFORMATION

Inhalation	Vapour is irritant to mucous membranes and respiratory tract.
Ingestion	May irritate throat and gastrointestinal tract. May cause gastric upset.
Skin	Will have a strong degreasing effect on the skin. May cause irritation. Prolonged skin contact may lead to irritant contact dermatitis.
Eye	Moderate irritant. If contact is prolonged, may cause tissue injury. Vapour can also irritate the eyes.
Chronic Effects	Long term exposure to ethanol vapour may lead to symptoms of alcoholism. Methylated spirit is a central nervous system depressant.

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, 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. This substance should be managed in accordance with the requirements specified in the Cleaning Products (Combustible) Group Standard 2006, HSNO Approval Number HSR002525.

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



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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

Not Scheduled

...End Of MSDS...

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