Section 1: Chemical Product & Company Identification

Product Name

Window Cleaner

Other Names

Supplier Product Codes:

NF WGC-750	750mL plastic bottle
NF WGC-5	5L plastic drum
NF WGC-15	15L plastic drum

Also labelled as:

Spectrum Window & Glass Cleaner

Recommended Use

Use to clean windows, mirrors, glass surfaces and windscreens.

Supplier

Northfork Chemicals (Australia) Pty Ltd

17 Waterloo Street
PO Box 100
Queanbeyan NSW 2620

Telephone: (02) 6284 4555
Facsimile: (02) 6284 4556
Consumer Information: 1800 084 555

Note: Contact numbers operate only between 8:00am and 5:00pm, Monday to Friday.

Poisons Information Centre

Telephone Australia: 131 126
Telephone New Zealand: 0800 764 766

Section 2: Hazards Identification

Statement Of Hazardous Nature

NON-HAZARDOUS.

NON-DANGEROUS GOODS

This product has been assessed according to the:

- NOHSC Approved Criteria for Classifying Hazardous Substances [NOHSC:1008(1994)]; and
- Australian Code for the Transport of Dangerous Goods by Road and Rail

Appropriate risk assessments should still be conducted as required by State and Territory regulations to determine if the health and safety of workers is adequately protected, regardless of the hazard or dangerous goods classification of a chemical.

Poisons Schedule

No poison schedule allocated for this product.

Risk

No risk phrases are allocated to this product.

Safety

No safety phrases are allocated to this product.

Section 3: Composition/Information On Ingredients

Material Safety Data Sheet

Ingredients	CAS Number	Proportion
Ethanol	64-17-5	10 - < 30%
2-butoxyethanol	111-76-2	< 10%
Ammonia	1336-21-6	< 10%
Sodium lauryl ether sulphate (anionic surfactant)	9004-82-4	< 10%
Non-hazardous ingredients		to 100%

Section 4: First Aid Measures

Swallowed

Do NOT induce vomiting.

Wash out mouth with water.

For advice, contact a Poisons Information Centre (phone Australia 131 126; New Zealand 0800 764 766) or a doctor.

If vomiting occurs seek medical attention due to risk of breathing product into the lungs.

Eye

Wash out immediately with water. If pain or irritation persists or recurs seek medical attention.

Skin

Rinse with water. If pain or irritation develops and persists seek medical attention.

Inhaled

If breathing is affected remove victim from contaminated area.

First Aid Facilities

The washing/rinsing actions described above will be adequately met by normal washroom facilities or equivalent. The degree of risk presented by this product is sufficiently low that eyewash stations and safety showers are not usually required.

Notes To Physician

Treat symptomatically. Vomiting not induced because of risk of aspiration of product into lungs.

Section 5: Fire Fighting Measures

Suitable Extinguishing Media

Water spray or fog, foam, dry chemical powder, BCF (where regulations permit) and carbon dioxide.

Hazards From Combustion Products

This product is not combustible under normal conditions. However, it will break down under fire conditions and the hydrocarbon element will burn.

Heating may cause expansion or decomposition leading to violent rupture of containers.

The packaging is not combustible under normal conditions. However, it will break down under fire conditions and the hydrocarbon element will burn.

Combustion products include combustible materials, toxic fumes of carbon monoxide (CO), poisonous fumes, corrosive fumes and acrid smoke.

Mists containing combustible materials may be explosive.

Precautions For Fire Fighters & Special Protective Equipment

Alert Fire Brigade and tell them location and nature of hazard.

Prevent, by any means available, spillage from entering drains or water course.

Use water delivered as a fine spray to control fire and cool adjacent area.

Avoid spraying water onto liquid pools.

DO NOT approach containers suspected to be hot.

Cool fire exposed containers with water spray from a protected location.

If safe to do so, remove containers from path of fire.

Protective Clothing & Equipment

Fire fighters should wear boots, overalls, gloves and breathing apparatus.

Hazchem Code

No Hazchem code allocated (product is not a dangerous good).

Section 6: Accidental Release Measures

Emergency Procedures

Clean up spills immediately. Restrict access to the area of spill until completion of cleanup. Spill area will remain slippery until completion of cleanup.

For spills involving the release of a significant amount of product (for example: product released by the puncture or damage of containers resulting in a spill of more than a few litres) spilled material should be stopped from spreading by containment using a barrier of sand or other inert material.

Use a mop or cloth to absorb spilled material. Flush collected product to sewer. Rinse spill area thoroughly with water.

Materials used for containment may be discarded to tip or landfill.

Copious amounts of foam may be generated during cleanup, especially during final rinse of spill area. Foam will collapse of its own accord. Completion of cleanup of spill area will be indicated when rinse fails to generate foam.

If large quantities of this material enter storm water or waterways contact the Environmental Protection Authority.

Refer to Section 8 for advice on Personal Protective Equipment.

Section 7: Handling & Storage

Hazards associated with using chemicals are greatly reduced when chemicals are handled in a responsible manner.

Procedure For Handling

Chemicals' packaging is generally secure and safe, and handlers do not require special safety equipment to carry a chemical container containing this product.

Read product label and follow all directions thereon.

The product is usually sprayed from a trigger bottle onto the surface to be cleaned. Never point spray towards the face. Avoid spraying above the head where mist may fall into the eyes or on skin.

When this product is supplied in bulk containers (5L and 15L drums) the product may be transferred into smaller bottles. When such transfer occurs, ensure risk of splashing product is minimised. 15L drums should be tapped for dispensing product (the drums are drilled and bunged for this purpose).

This product is supplied in bulk containers (5L and 15L drums) Lifting of bulk containers should be performed in accordance with the National Standard for Manual Handling [NOHSC:1001(1990)].

Suitable Container

Store in original containers.

Storage Incompatibility

No information available for this product.

Storage Requirements

Store product away from incompatible materials and foodstuff containers.

Store product in original containers in a cool, dry, well ventilated area away from direct sunlight. Keep containers securely sealed.

Due to the attractive appearance of this product, store out of reach of children who may be thirsty or who may mistake this product for a children's beverage such as cordial.

Section 8: Exposure Controls/Personal Protection

National Exposure Standards

ES-TWA	No information available for this product
ES-STEL	No information available for this product
ES-Peak	No information available for this product

Exposure Limits For Ingredients:

Ethanol

ES-TWA	1880mg/m^3; 1000ppm
ES-STEL	No information available
ES-Peak	No information available

2-butoxyethanol

ES-TWA	121mg/m^3; 25ppm
ES-STEL	No information available
ES-Peak	No information available

Ammonia

ES-TWA	17mg/m^3; 25ppm
ES-STEL	24mg/m^3; 35ppm
ES-Peak	No information available

Sodium lauryl ether sulphate

ES-TWA	No information available
ES-STEL	No information available
ES-Peak	No information available

Exposure Standard (ES-TWA) is the time weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life. According to current knowledge this concentration should neither impair the health of, nor cause undue discomfort to, nearly all workers.

The Short Term Exposure Limit (ES-STEL) is the average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight hour day.

Peak Limitation (ES-Peak), if quoted, is a ceiling concentration which should not be exceeded over a measurement period which should be as short as possible but not exceeding 15 minutes.

These exposure standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These exposure standards should not be used as a fine dividing line between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

Biological Limit Values

No value available for this product or its ingredients.

Personal Protection

Eye/Face Protection: Not required under normal conditions of use. When cleaning up significant spills, wear chemical goggles or full face shield.

Skin Protection: Not required under normal conditions of use. When cleaning up significant spills, wear PVC or rubber gloves on hands and suitable impervious protective clothing. Safety boots with non-slip soles should be worn for spill clean up.

Respiratory Protection: Not required under normal conditions of use.

Engineering Controls

Natural ventilation should be adequate under normal use conditions.

Section 9: Physical & Chemical Properties

Appearance And Odour

Clear, blue liquid with ammonia odour.

Physical Properties

Molecular weight:	Not available
Boiling range(°C):	Approximately 100
Melting range (°C):	Not available
Specific gravity (water=1):	0.97 – 0.99
Solubility in water (g/L):	miscible
pH (as supplied):	Not available
pH (1% solution):	Not available
Vapour pressure (kPa):	Not available
Volatile component (%vol):	Not available
Evaporation rate:	Not available
Flash point (°C):	> 65
Lower explosive limit (%):	Not available
Upper explosive limit (%):	Not available
Autoignition temperature (°C):	Not available
Decomposition temperature (°C):	Not available

Section 10: Chemical Stability & Reactivity Information

Chemical Stability

Product is considered stable under normal conditions of storage, handling and use.

Conditions To Avoid

No information available for this product.

Incompatible Materials

No information available for this product.

Hazardous Decomposition Products

No information available for this product.

Hazardous Reactions

No information available for this product.

Section 11: Toxicological Information

Details of Hazard Assessment are contained in Section 2 of this MSDS.

Potential Health Effects – Acute

Swallowed: This product is not harmful by ingestion when assessed against criteria of Worksafe Australia.

This product may still produce gastrointestinal tract discomfort that may produce nausea and vomiting.

Other symptoms that may be experienced include excitation, euphoria, headache, dizziness, drowsiness, blurred vision and fatigue.

Eye: This product is not an eye irritant when assessed against criteria of Worksafe Australia.

Direct eye contact may still produce immediate discomfort for the individual, with consequent reflex closure of the lid and tearing, due to the presence of anionic surfactant and ammonia. Foreign body type discomfort may persist for a short time.

Skin: This product is not a skin irritant when assessed against criteria of Worksafe Australia.

Direct skin contact may still produce skin reactions for the individual, due to the removal of natural oils from the skin by anionic surfactants. The skin may appear red and may become sore. Sensitive individuals may exhibit cracking, scaling and blistering.

Inhaled: This product is not an inhalation hazard when assessed against criteria of Worksafe Australia.

This product may still produce respiratory discomfort in sensitive individuals due to the presence of ammonia.

Potential Health Effects – Chronic

Repeated skin contact with anionic surfactants has produced sensitisation dermatitis in predisposed individuals.

Chronic exposure to ethanol vapour may result in headache and symptoms of central nervous system depression. Vapour concentrations sufficient to produce this effect are virtually impossible to achieve when using this product as described on the label instructions.

Summary Of Toxicity Data

Ethanol

LD_{50} oral (rat):	7060mg/kg
LC_{50} inhalation (rat):	38mg/litre/10hours

2-butoxyethanol

LD_{50} oral (rat):	560mg/kg
LC_{50} inhalation (rat):	240mg/litre/4hours

Ammonia

LD_{50} oral (rat):	350mg/kg
Lowest lethal dose inhalation (man):	5000ppm/5min
LC_{50} inhalation (rat):	2000ppm/4hours
Irritation eye (rabbit)	250µg; severe
Irritation skin (rabbit)	24h; moderate

Sodium lauryl ether sulphate

LD_{50} oral (rat):	1600mg/kg
Irritation skin (rabbit):	25mg/24hr moderate

Section 12: Ecological Information

Ecotoxicity

Do not discharge into storm water or waterways.

Persistence And Degradability

No information available for this product.

Mobility

No information available for this product.

Section 13: Disposal Information

Refer to Waste Management Authority. Dispose of material through a licensed waste contractor.

Section 14: Transportation Information

This product is not classified as a Dangerous Good according to the ADG Code.

UN Number

No UN number allocated (product is not a dangerous good).

Proper Shipping Name

No proper shipping name allocated (product is not a dangerous good).

Hazard Class

No hazard class allocated (product is not a dangerous good).

Subsidiary Risk

No subsidiary risk allocated (product is not a dangerous good).

Hazchem Code

No Hazchem code allocated (product is not a dangerous good).

Section 15: Regulatory Information

Poisons Schedule

No poison schedule allocated for this product.

Section 16: Other Information

Disclaimer

The information given above is not necessarily exhaustive and further technical information may be obtained upon request from the company's technical staff.

All advice and information given in this data sheet and by the company's technical staff is compiled from the best information currently available to the company; but the company accepts no responsibility whatsoever for its accuracy or for any results which may be obtained by customers. Any customer who relies upon any advice or information given in this data sheet by the company or by its technical staff does so entirely at his own risk, and the company will not be liable for any loss or damage thereby suffered not withstanding any want of care on the part of the company or its staff in compiling or giving advice or information. In all cases the customer should satisfy himself by preliminary tests that the goods are suitable for the customer's purpose.

Issue Date: 25 October 2005
End of MSDS

Material Safety Data Sheet