SAFETY DATA SHEET

WINDOW & GLASS CLEANER

Issue Date: 7/01/2025 Version #2.0

SECTION 1 – STATEMENT OF CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Name:	**Window & Glass Cleaner**		
SUPPLIER:	Custom Chemicals International Pty Ltd		
ADDRESS:	103-107 Potassium Street, Narangba 4504 Queensland Australia		
TELEPHONE:	+617 3204 8300	**Website:**	www.customchem.com.au
EMERGENCY PHONE:	13 11 26 in Australia	**Product Code:**	0010023
Substance:	Liquid	**Product Use:**	Water-based cleaner
Creation Date:	January 2025	**Revision Date:**	January 2030

SECTION 2 – HAZARDS IDENTIFICATION

Classification of the substance or mixture	
Poisons Schedule	Not Scheduled
Dangerous Goods	Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.
GHS Classification	Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia. • **Flammable Liquids Category 3** • **Eye Irritation Category 2A**
Label elements	
GHS label pictograms	 GHS02  GHS07
Signal word	WARNING
Hazard statement(s)	
H226	Flammable liquid and vapour.
H319	Causes serious eye irritation.
Precautionary statement(s): General	
P102	Keep out of reach of children.
P103	Read label before use.
Precautionary statement(s): Prevention	
P210	Keep away from heat/sparks/open flames/hot surfaces. — No smoking.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting equipment.
P242	Use non-sparking tools.
P243	Take action to prevent static discharges.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P264	Wash hands and skin thoroughly after handling.
Precautionary statement(s): Response	
P370+P378	In case of fire: Use dry chemical powder, alcohol-resistant foam, carbon dioxide (CO_2) to extinguish.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313	If eye irritation persists: Get medical advice/attention.
Precautionary statement(s): Storage	
P403 + P235	Store in a well-ventilated place. Keep cool.
Precautionary statement(s): Disposal	
P501	Dispose of contents/ container in accordance with local regulations.
Note	
IMPORTANT	This SDS and the Hazard Classifications contained therein, only apply to the product in its concentrated form, as supplied. When diluted to 1:5 or greater with water, they no longer apply. Good hygiene and housekeeping practices should be adhered to.

SECTION 3 – COMPOSITION AND INFORMATION ON INGREDIENTS

Ingredients:	CAS Number:	Proportion:
Ethanol	64-17-5	10 - 30% w/w
Ammonia	1336-21-6	< 1% w/w
Water and ingredients determined to be non-hazardous at concentrations present	various	To 100% w/w

NOTE: Ingredients determined not to be hazardous are present in concentrations that do not exceed the relevant cut-off concentrations as found from Safe Work Australia: Hazardous Chemical Information System (HCIS), European Chemicals Agency (ECHA), or have been found NOT to meet the criteria of a hazardous substance as defined in the Safe Work Australia publication "Approved Criteria for Classifying Hazardous Substances", or have been found NOT to meet the criteria of a dangerous substance as defined in the GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION AND LABELLING OF CHEMICALS **(GHS7).** Listed ingredients may be below the cut-off concentrations for classification as hazardous, but are listed for information purposes and for additive effects.

SECTION 4 – FIRST AID MEASURES

Inhalation	Remove victim to fresh air away from exposure. Obtain medical attention if symptoms occur.
Skin contact	Wash contaminated skin with plenty of soap and water. Remove contaminated clothing and wash before re-use. Seek medical advice (e.g. doctor) if irritation, burning or redness persists.
Eye contact	If in eyes, hold eyelids apart and flush the eyes continuously with running water. Remove contact lenses. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. If symptoms persist, seek medical attention.
Ingestion	Do NOT induce vomiting. Do NOT attempt to give anything by mouth to an unconscious person. Rinse mouth thoroughly with water immediately. Give water to drink. If vomiting occurs, give further water to achieve effective dilution. Seek medical advice (e.g. doctor).
Advice to Doctor	Treat symptomatically.
Scheduled Poisons	Poisons Information Centre in each Australian State capital city or in Christchurch, New Zealand can provide additional assistance for scheduled poisons. (Phone Australia 131126 or New Zealand 0800 764 766).
First Aid Facilities	No special requirements.

SECTION 5 – FIRE FIGHTING MEASURES

Fire and Explosion Hazards	Product is a flammable liquid – does not support combustion. Vapour accumulation could flash and/or explode if in contact with open flames.
Extinguishing Media	Use dry chemical powder, alcohol-resistant foam, carbon dioxide(CO2) to extinguish.
Fire Fighting	Keep containers exposed to extreme heat cool with water spray. Fire fighters to wear self-contained breathing apparatus if risk of exposure to products of combustion or decomposition. Do not use direct water jets on the burning product; they could cause splattering and spread the fire. Simultaneous use of foam and water on the same surface is to be avoided as water destroys the foam.
Flash Point	~ 38 ^{o}C – ethanol/water mixture – does not support combustion.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Emergency Procedures	Minor spills do not normally need any special clean-up measures. In the event of a major spill, prevent spillage from entering drains or water-courses. For large spills, or tank rupture, consider initial evacuation distance of 200 metres in all directions. Stop leak if safe to do so. Remove all

	ignition sources. If available, use water spray to disperse vapour. Wear appropriate protective equipment as in section 8 below to prevent skin and eye contamination. Spilt material may result in a slip hazard and should be absorbed into dry, inert material (e.g. sand, earth or vermiculite), which then can be put into appropriately labelled drums for disposal by an approved agent according to local conditions. Residual deposits will remain slippery. Wash area down with excess water. If contamination of sewers or waterways has occurred advise the local emergency services. In the event of a large spillage notify the local environment protection authority or emergency services.

SECTION 7 – HANDLING AND STORAGE

Handling	Avoid skin or eye contact with concentrate. Wear protective clothing when risk of exposure occurs. Avoid contact with incompatible materials. When handling, DO NOT eat, drink or smoke. Keep containers closed at all times. Avoid physical damage to containers. Wash hands with water after handling.
Storage	Store in a cool, dry, well-ventilated area, out of direct sunlight. Protect from freezing. Store in suitable, labelled containers. Keep containers tightly closed. Store away from incompatible materials. Ensure that storage conditions comply with applicable local and national regulations.

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Limits	National Occupational Exposure Limits, as published by SAFEWORK AUSTRALIA: **Time-weighted Average (TWA):** None established for product. • Ethanol: 1000ppm 1880mg/m3 • Ammonia: 25 ppm, 17 mg/m3 **Short Term Exposure Limit (STEL):** None established for product. • Ammonia: 35 ppm, 24 mg/m3
Ventilation	Use only in a well-ventilated area. Ensure ventilation is adequate to maintain air concentrations below exposure standards.
Personal Protective Equipment	Use good occupational work practice. The use of protective clothing and equipment depends upon the degree and nature of exposure. The following protective equipment should be available;
Eye Protection 	Generally not required to handle product as per label directions – window cleaner spray. Safety glasses should be used for handling concentrate in quantity, cleaning up spills, decanting, etc. Eye protection devices should conform to relevant regulations. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.
Hand Protection 	Generally not required to handle product as per label directions – window cleaner spray. Wear gloves of impervious material such as butyl rubber, natural latex, neoprene, PVC and nitrile – to handle in quantity, clean up spills, decanting, etc. Final choice of appropriate gloves will vary according to individual circumstances. i.e. methods of handling or according to risk assessments undertaken. Occupational protective gloves should conform to relevant regulations. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.
Body Protection 	Generally not required for typical applications with diluted solutions as per label directions. Suitable protective workwear, e.g. rubber or plastic apron, sleeves, boots and cotton overalls buttoned at neck and wrist are recommended. Chemical resistant apron is recommended where large quantities are handled.
Respirator 	Generally not required to handle product as per label directions – window cleaner spray. No respirator should be required under normal conditions of use in well-ventilated areas provided air concentrations are below exposure standards. If the exposure limit is exceeded briefly, a full facepiece respirator with an organic vapour cartridge may be worn. For short elevated exposures, eg, spillages:- Appropriate organic vapour cartridge respirator as per the requirements of AS/NZS 1715 and AS/NZS 1716 (Respiratory protective devices). For emergencies or instances where the exposure levels are not known, use a full-face piece positive-pressure, air-supplied respirator.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES			
Physical State	Liquid	**Colour**	Clear blue
Odour	Ammonia odour	**Specific Gravity**	0.96 – 0.98
Boiling Point	Approximately 100 °C	**Freezing Point**	Approximately 0 °C
Vapour Pressure	Not available	**Vapour Density**	Not available
Flash Point	~ 38 ^{o}C – ethanol/water mixture – does not support combustion.	**Flammable Limits**	Not available
Water Solubility	Miscible in all proportions	**pH**	10.5 – 11.5 neat
Volatile Organic Compounds (VOC)	~ 20% v/v	**Per Cent Volatile**	~ 99 % v/v
Viscosity	Not available	**Odour Threshold**	Not available

SECTION 10 – STABILITY AND REACTIVITY	
Reactivity	Stable at normal temperatures and pressure.
Conditions to Avoid	Extremes of temperature and direct sunlight.
Incompatibilities	Reducing agents, oxidizing agents.
Hazardous Decomposition	Thermal decomposition may result in the release of toxic and/or irritating fumes.

SECTION 11 – TOXICOLOGICAL INFORMATION	
POTENTIAL HEALTH EFFECTS	
No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:	
Inhalation	Inhalation of generated mists may cause irritation to the respiratory system. Inhalation of the vapour may result in drunkenness (as per effects of swallowing). Early symptoms may occur at airborne levels of 1000 to 5000 ppm.
Skin contact	Not expected to be irritating to skin.
Eye contact	May cause irritation in contact with the eyes, which can result in redness, stinging and tearing.
Ingestion	Can cause drunkenness or harmful central nervous system effects. The deliberate ingestion of ethanol (50-100ml) may cause inebriation such that safety is impaired. Effects of a small intake may include excitation, euphoria, headache, dizziness, drowsiness, blurred vision, and fatigue. Ingestion of a large amount may lead to severe acute intoxication, tremors, convulsion, loss of consciousness, coma, respiratory arrest and death.
Chronic exposure	Ethanol - Long term exposure by swallowing or repeated inhalation, may cause degenerative changes in the liver, kidneys, gastrointestinal tract and heart muscle.
Toxicology Information	Not toxic, based on ingredients. Oral LD50 (ATE calculated): >10,000 mg/kg **ETHANOL:** LD50 Oral (rat) : 7060mg/kg Oral, mouse: LD50 = 3450 mg/kg; Oral, rabbit: LD50 = 6300 mg/kg
Carcinogen Status	
SAFEWORK	No significant ingredient is classified as carcinogenic by SAFEWORK.
NTP	No significant ingredient is classified as carcinogenic by NTP.
IARC	No significant ingredient is classified as carcinogenic by IARC. ETHANOL: Alcoholic beverages are classified by the International Agency for Research on Cancer (IARC) as a Group 1 carcinogen (carcinogenic to humans). IARC classifies alcoholic beverage consumption as a cause of female breast, colorectal, larynx, liver, esophagus, oral cavity, and pharynx cancers; and as a probable cause of pancreatic cancer.
Respiratory sensitisation	Not expected to be a respiratory sensitizer.

Skin Sensitisation	Not classed as a skin sensitiser
Germ cell mutagenicity	Not considered to be a mutagenic hazard.
Reproductive Toxicity	Not considered to be toxic to reproduction.
STOT-single exposure	May cause drowsiness or dizziness.
STOT-repeated exposure	Not expected to cause toxicity to a specific target organ.
Aspiration Hazard	Not expected to be an aspiration hazard.

SECTION 12 – ECOLOGICAL INFORMATION	
Acute Aquatic Toxicity Product (as sold)	Not harmful to aquatic life. (LC50 > 100 mg/L). Acute Aquatic Toxicity (ATE Calculated) LC50: 700 – 776 mg/L. Acute Aquatic Toxicity NOT HAZARDOUS.
Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil. Biodegradable in the soil under anaerobic conditions.
Bio accumulative potential	No bioaccumulation is expected.
Mobility in soil	Spillages may penetrate the soil causing ground water contamination. This material may accumulate in sediments.
Other adverse effects	Not available
Environmental Protection	Do not discharge this material into waterways.

SECTION 13 – DISPOSAL CONSIDERATIONS	
	Dispose of waste according to applicable local and national regulations. Do not allow into drains or watercourses or dispose of where ground or surface waters may be affected. Wastes including emptied containers are controlled wastes and should be disposed of in accordance with all applicable local and national regulations.

SECTION 14 – TRANSPORT INFORMATION	
Labels Required	
ADG	Not classified as Dangerous Goods.
IMDG Marine Pollutant	No
HAZCHEM	None allocated.
Land Transport (ADG)	
UN Number	None allocated.
Shipping Name:	None allocated.
ADG Code	None allocated.
HAZCHEM Code	None allocated.
Special Provisions	None allocated.
Packing Group	None allocated.
Packaging Method	None allocated.
Segregation	None allocated.

SECTION 15 – REGULATORY INFORMATION	
GHS Classification	Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.
SUSMP	Not scheduled
ADG Code	Not DG
AICIS	All ingredients present on Australian Inventory of Industrial Chemicals.

SECTION 16 – OTHER INFORMATION	
Issue Date	7th January 2025
Version Number	V 2.0 GHS7 classification.

Abbreviations and acronyms	**ADG Code**: Australian Code for the Transport of Dangerous Goods by Road and Rail. **AICIS:** Australian Industrial Chemicals Introduction Scheme. **CAS Number**: Chemical Abstracts Service Registry Number. **GHS**: Globally Harmonized System of Classification and Labelling of Chemicals **HAZCHEM:** An emergency action code of numbers and letters which gives information to emergency services. **HSIS:** Hazardous Substances Information System **IARC**: International Agency for Research on Cancer. **NTP**: National Toxicology Program (USA). **SDS**: Safety Data Sheet **STEL**: Short Term Exposure Limit. **SUSMP**: Standard for the Uniform Scheduling of Medicines and Poisons. **TWA**: Time Weighted Average. **UN Number**: United Nations Number.
Literature references	Preparation of Safety Data Sheets for Hazardous Chemicals – Code of Practice (Safe Work Australia) GHS Hazardous Chemical Information List (Safe Work Australia) Guidance on the Classification of Hazardous Chemicals under the WHS Regulations. Global Harmonized System of Classification and Labelling of Chemicals (GHS) "Australian Exposure Standards". Safework Australia Australian Code For The Transport Of Dangerous Goods By Road And Rail Standard for the Uniform Scheduling of Medicines and Poisons Safety Data Sheets – individual raw materials – Suppliers HSIS – Hazardous Substance Information System – National Safe Work Australia Data Base. HCIS – Hazardous Chemical Information System – National Safe Work Australia Data Base. ECHA – European Chemicals Agency
Disclaimer	This SDS summarizes at the date of issue our best knowledge of the health and safety hazard information of this product, and in particular how to safely handle and use this product in the workplace. Since the supplier cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this SDS in the context of how the user intends to handle and use the product in the workplace. If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this supplier.
End of SDS	