MATERIAL SAFETY DATA SHEET

PROCLEAN GLASS CLEANER

SECTION 1: IDENTIFICATION

PRODUCT NAME

Proclean Glass Cleaner

Product Codes

650 ML Plastic trigger pack
5 LTR JERRY CAN

Recommended Use

Use to clean windows, mirrors, glass surfaces and wind screens.

SUPPLIER

Middle East Cleaning Co – MECC
Al Jazira Al Arabiya Street
Madinat Khalifa South

+974 3355 6693

SECTION2: HAZARDS IDENTIFICATION

NON HAZARDOUS

According to criteria of:
National Occupational Health &Safety Commission
NOHSC

NOT DANGEROUS GOODS

According to criteria
of:
Australian Dangerous Code for Transport by Road &Rail

NOT CLASSIFIED AS A POISON

According to criteria
of:

RISK PHRASES

No Risk Phrases have been allocated for this product.

SAFETY PHRASES

No Safety Phrases have been allocated to this product.

SECTION3: COMPOSITION /INFORMATION ON INGREDIENTS

Chemical Entity	CAS No.	Proportion (%)
Ethanol	[64-17-5]	< 20%
2-Butoxyethanol	[111-76-2]	< 10%
Ammonia Solution	[1336-21-6]	< 2%
Other Non-Hazardous Ingredients		To 100%

SECTION4: FIRST AID MEASURES

DESCRIPTION OF NECESSARY MEASURES ACCORDING TO ROUTES OF EXPOSURE

Swallowed

Rinse mouth with water. **DO NOT** induce vomiting. For advice in an emergency, contact the Poisons Information Centre

Eye

Immediately flush eyes with plenty of water, holding eyelids open. Seek medical attention if discomfort persists.

Skin

Remove contaminated clothing. Flush affected are with plenty of water. If irritation or discomfort persists, seek medical attention. Wash clothing before reuse.

Inhaled

Not considered a respiratory irritant. If breathing is affected remove victim to fresh air. If not breathing, apply artificial respiration. If breathing is difficult, give oxygen. Seek medical attention.

ADVICE TO DOCTOR

Treat symptomatically based on the individual reactions of patients and judgment

of a doctor.

ADDITIONAL INFORMATION

AGGRAVATED MEDICAL CONDITIONS CAUSED BY EXPOSURE

No information is available on medical conditions which are aggravated from exposure to this product.

SECTION5: FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA

In case of fire, appropriate extinguishing media include Dry Chemical, Foam, Carbon Dioxide and Water Fog. Use Water to keep fire-exposed containers coo land to protect personnel.

HAZARDS FROM COMBUSTION PRODUCTS

The product is Not Combustible under normal conditions. When involved in a fire, this product may generate Carbon Dioxide and Carbon Monoxide. Stable under ordinary conditions of use and storage. Incompatible with Oxidizing Agents and Acids.

SPECIAL PROTECTIVE PRECAUTIONS AND EQUIPMENT FOR FIREFIGHTERS

No specific data is available.

FLAMMABILITY CONDITIONS

Product is a aqueous and is not considered Combustible.

HAZCHEM CODE

No Hazchem Code has been allocated for this product.

SECTION6: ACCIDENTAL RELEASE MEASURES

EMERGENCY PROCEDURES

Persons involved in a major spill cleanup should wear appropriate personal protective equipment. Isolate hazard area and stop leaks If safe to do so. Avoid walking through spilled product, as it may be slippery. Keep unnecessary and unprotected personnel from entering the area. DO NOT allow product to enter drains or waterways.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP

Collect liquid in an appropriate container or absorb with an inert material (e.g., vermiculite, dry sand, earth), and place in a chemical waste container. Do not use combustible materials, such as saw dust or cellulose. Do not flush to sewer.

SECTION7: HANDLING AND STORAGE

PRECAUTIONSFORSAFEHANDLING

Ensure an eye bath and safety shower is available and ready for use. Observe good personal hygiene practices and recommended procedures. Avoid prolonged contact with skin. Avoid contact with eyes.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBLES

Protect against physical damage. Store in a cool, drywell-ventilated area.
Separate from oxidizing materials and acids.

CONTAINER TYPE

Store in original containers.

SECTION8: EXPOSURE CONTROLS/PERSONAL PROTECTION

NATIONAL EXPOSURE STANDARDS

	Ethanol	2-Butoxyetha	Ammonia
TWAmg/m^3	1800mg	25ppm	17mg
TWA ppm	1000ppm	-	25ppm
STELmg/m^3	-	-	24mg
STELppm	-	-	35ppm

BIOLOGICALLIMITVALUES

No data available

ENGINEERING CONTROLS

Natural ventilations should be adequate under normal conditions of use.

PERSONAL PROTECTION

Respiratory Protection

Not considered necessary under normal conditions of use.

Skin Protection

Not considered necessary under normal conditions of use. When cleaning up significant spills wear protective clothing including boots, gloves, lab coat, or coveralls, as appropriate, to prevent excessive skin contact.

Eye Protection

Not considered necessary under normal conditions of use. When cleaning up

significant spills wear chemical safety goggles and/or full-face shield where splashing is possible. Maintain eye wash and quick-drench facilities in work area.

SECTION9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	A clear blue thin liquid
Odor	Ammonia cal
Solubility in water	Miscible in all proportions
Specific Gravity	0.98 –1.02
pH(as is)	9.0 –11.0
pH(1%AqueousSolution)	Not Applicable
Viscosity (@20°C)	Water thin
Flash Point (°C)	Approx 100°C
Volatile Organic Compounds (VOC) content	< 20%
Percent Volatile	< 20%

SECTION10: STABILITY AND REACTIVITY

CHEMICAL STABILITY

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

CONDITIONS TO AVOID

No information is available for this product.

No information is available for this product.

HAZARDOUS DECOMPOSITION PRODUCTS

No information is available for this product.

HAZARDOUS REACTIONS

No information is available for this product.

SECTION11: TOXICOLOGICAL INFORMATION

TOXICITY DATA

	Ethanol	2-Butoxyethanol	Ammonia
LD_{50} oral (rat):	7060mg/kg38	560mg/kg240	350mg/kg20
LC_{50}inhalation (rat):	mg/litre/4hrs	mg/litre/4hrs	00ppm/4 hrs

HEALTH EFFECTS-ACUTE

Swallowed

This product is not harmful by ingestion when assessed against criteria of Work safe Australia. However, the product may cause irritation to the gastrointestinal tract of some individuals. Symptoms may include nausea, vomiting and diarrhea.

Eye

This product is not an eye irritant when assessed against criteria of Work safe Australia. However, direct eye contact may still cause immediate irritation and discomfort when splashed into eyes that may include, redness, stinging and swelling.

Skin

This product is not a skin irritant when assessed against criteria of Work safe Australia. However, the product may still cause skin irritation and discomfort or some individuals. The skin may appear and become sore. Sensitive individuals may experience skin cracking and scaling.

Inhaled

This product is not a respiratory tract irritant

SECTION12: ECOLOGICAL INFORMATION

ECOTOXICITY

No Data is available for this product.

PERSISTENCE AND DEGRADABILITY

No information is available on the persistence and degradability of this product.

MOBILITY

Not available.

ENVIRONMENTAL FATE (EXPOSURE)

No information is available for this product.

BIOACCUMULATION POTENTIAL

No information is available on the Bioaccumulation Potential of this product.

SECTION13: DISPOSAL CONSIDERATIONS

DISPOSAL METHODS AND CONTAINERS

Dispose of in accordance with all local, state, and federal regulations. Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options.

SPECIALPRECAUTIONSFORLANDFILL AND INCINERATION

No data available.

SECTION14: TRANSPORT INFORMATION

UN No.:	None
Shipping Name:	Not Regulated
DANGEROUSGOODS CLASS:	Not Regulated
Subsidiary Risk:	Not Regulated
Packaging Group:	Not Regulated
HAZCHEM Code:	Not Regulated

Precaut**ions for User:** Not Regulated

SECTION15: REGULATORY INFORMATION

Poisons Schedule:	Not Regulated
EPG:	Not Regulated
AICS Name:	Not Regulated
NZ Toxic Substance:	No Data

SECTION16: OTHER INFORMATION

LEGEND TO ABBREVIATIONS AND ACRONYMS

<	Less than
>	Greater than Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC_{50}	LC stands for "Lethal Concentration". $LC_{50}$is the concentration of a material in air, which causes the death of 50% (one half) of a group of test animals. The material is inhaled over a set period of time, usually 1 or4 hours.
LD_{50}	LD stands for "Lethal Dose". LD_{50} is the amount of a material, given

	all at once, which causes the death of 50% (one half) of a group of test animals.
NIOSH	National Institute for Occupational Safety and Health
NOHSC	National Occupational Health and Safety Commission
OECD	Organization for Economic Co-operation and
Development	
PEL	Permissible Exposure Limit
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted
Average	
UN No.	United Nations
(number)	
Immiscible	Liquids are insoluble in each other
Miscible	Liquids form one homogeneous liquid phase regardless of the amount of either component present.
mm	Millimetre
ppb	Parts per billion
ppm	Parts per million

END OF MSDS