MATERIAL SAFETY DATA SHEET

WHITEBOARD CLEANER

SECTION 1: IDENTIFICATION

PRODUCT NAME **Whiteboard cleaner**

Product Codes	**500mL trigger bottle**	**QTTWC1000**
	250mL trigger bottle	**QTTWC250**

Recommended Use Used to clean whiteboards.

SUPPLIER

Pelikan Artline Pty. Ltd.
17-19 Waterloo Street, Queanbeyan, NSW 2620 AUSTRALIA.
PO Box 100 Queanbeyan NSW 2620 AUSTRALIA.
Phone: +61-2-6284-4555 Fax: +61-2-6284-4556
Email: MSDS@pelikanartline.com.au

MANUFACTURER

Pelikan Artline Pty. Ltd.
17-19 Waterloo Street, Queanbeyan, NSW 2620 AUSTRALIA.
PO Box 100 Queanbeyan NSW 2620 AUSTRALIA.
Phone: +61-2-6284-4555 Fax: +61-2-6284-4556
Email: MSDS@pelikanartline.com.au

NOTE: For advice in an emergency, contact the Poisons Information Centre in Australia 13-11-26 or New Zealand 0800-764-766.

SECTION 2: 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:
Standard for the Uniform Scheduling of Drugs and Poisons

RISK PHRASES

No Risk Phrases have been allocated for this product.

SAFETY PHRASES

No Safety Phrases have been allocated to this product.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Entity	CAS No.	Proportion (%)
Isopropanol	67-63-0	<10%
2-Butoxyethanol	[111-76-2]	< 10%
Other Non Hazardous Ingredients		To 100%

SECTION 4: 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 in Australia 13-11-26 or New Zealand 0800-764-766.

Eye

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

Skin

Remove contaminated clothing. Flush affected area 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 judgement of a Doctor.

NOTE: For advice in an emergency, contact the Poisons Information Centre in Australia 13-11-26 or New Zealand 0800-764-766.

ADDITIONAL INFORMATION

AGGRAVATED MEDICAL CONDITIONS CAUSED BY EXPOSURE

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

SECTION 5: 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 cool and 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 FIRE FIGHTERS

No specific data is available.

FLAMMABILITY CONDITIONS

Product is aqueous and is not considered Combustible.

HAZCHEM CODE

No Hazchem Code has been allocated for this product.

SECTION 6: ACCIDENTAL RELEASE MEASURES

EMERGENCY PROCEDURES

Persons involved in a major spill clean up 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 CLEAN UP

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 sawdust or cellulose. Do not flush to sewer.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

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, dry well-ventilated area. Separate from oxidizing materials and acids.

CONTAINER TYPE

Store in original containers.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

NATIONAL EXPOSURE STANDARDS

	Isopropanol	2-Butoxyethanol
TWA mg/m^3	983 mg	121 mg
TWA ppm	500 ppm	25ppm
STEL mg/m^3	-	-
STEL ppm	-	-

BIOLOGICAL LIMIT VALUES

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 eyewash and quick-drench facilities in work area.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

SECTION 10: 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.

INCOMPATIBLE MATERIALS

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.

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICITY DATA

	Isopropanol	2-Butoxyethanol
LD_{50} oral (rat):	4396mg/kg	560mg/kg
LC_{50} inhalation (rat):	72.6mg/litre/4 hrs	240mg/litre/4 hrs

HEALTH EFFECTS – ACUTE

Swallowed

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

Eye

This product is not an eye irritant when assessed against criteria of Worksafe 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 Worksafe Australia. However, the product may still cause skin irritation and discomfort for some individuals. The skin may appear red and become sore. Sensitive individuals may experience skin cracking and scaling.

Inhaled

This product is not a respiratory tract irritant when assessed against criteria of Worksafe Australia.

SECTION 12: 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.

SECTION 13: 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.

SPECIAL PRECAUTIONS FOR LANDFILL AND INCINERATION

No data available.

SECTION 14: TRANSPORT INFORMATION

UN No.:	None
Shipping Name:	Not Regulated
DANGEROUS GOODS CLASS:	Not Regulated
Subsidiary Risk:	Not Regulated
Packaging Group:	Not Regulated
HAZCHEM Code:	Not Regulated
Precautions For User:	Not Regulated

SECTION 15: REGULATORY INFORMATION

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

SECTION 16: OTHER INFORMATION

LEGEND TO ABBREVIATIONS AND ACRONYMS

<	Less than
>	Greater than
AICS	Australian Inventory of 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 or 4 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

LITERATURE REFERENCES and SOURCES of DATA

List of Designated Hazardous Substances [NOHSC (National Occupational Health & Safety Commission)]

Approved Criteria for Classifying Hazardous Substances [NOHSC (National Occupational Health & Safety Commission)]

National Code of Practice for the Control of Workplace Hazardous Substances [NOHSC: 2007 (1994)]

National Standards for the Storage and Handling of Workplace Dangerous Goods [NOHSC: 1015 (2001)]

Exposure Standards Database [NOHSC (National Occupational Health & Safety Commission)]

Australian Dangerous Goods Code for Transport of Road & Rail [ADG Code: Sixth Addition Vol 1 & Vol 2]

Standards for the Uniform Scheduling of Drugs & Poisons [National Drugs and Poisons Committee Publication 23rd Addition June 2008]

AUSTRALIAN / NZ STANDARDS

AS1940: The Storage and Handling of Flammable & Combustible Liquids

AS3780: The Storage & Handling of Corrosive Substances

AS4326: The Storage & Handling of Oxidising Substances

AS/NZS 3780: The Storage & handling of Class 9 (Miscellaneous) Dangerous Goods

AS/NZS 3833: The Storage & Handling of Mixed Classes of Dangerous Goods in Packages & Intermediate Bulk Containers

END OF MSDS

Last Updated: August 2015

Revised By: Pelikan Artline Pty Ltd

This MSDS summarises Pelikan Artline Pty Ltd best knowledge of the health and safety hazard information of the selected substance and how to safely handle the selected substance in the workplace however Pelikan Artline Pty Ltd expressly disclaims that the MSDS is a representation or guarantee of the chemical specifications for the substance. Each user should read the MSDS and consider the information in the context of how the selected substance will be handled and used in the workplace including its use in conjunction with other substances.