MATERIAL SAFETY DATA SHEET

WHITEBOARD CLEANER

SECTION 1: IDENTIFICATION

PRODUCT NAME **Whiteboard cleaner**

OW116800N KEJI WHITEBOARD ACCESSORIES KIT – WHITEBOARD CLEANER

QTMGMKT QUARTET CLEANING KIT – WHITEBOARD CLEANER

OW115799N J.BURROWS W/BOARD STARTER KIT – WHITEBOARD CLEANER

Recommended Use Used to clean whiteboards.

SUPPLIER

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MANUFACTURER

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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

2.1 Health and Safety:

Eyes: Overexposure will cause irritation to eyes.

Skin: Prolonged and repeated contact may cause irritation to skin.

Inhalation: Inhalation is not likely to cause harmful effects.

Ingestion: Single dose oral toxicity is low. Swallowing large amounts may be harmful.

Not flammable under normal conditions of use but contains flammable components (testing on flammability in closed space, FEA X610-E, are negative).

2.2 Environment:

According to EU-directive 99/45/EC not classified

2.3 Other hazards:

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients	CAS No.	Conc. (%)
		EINECS/ELINCS NO.
Surface active agent(Cocoamidopropylbetaine)	61789-40-0/263-058-8	<0.80
Isopropyl alcohol	67-63-0/200-661-7	<8.0
2-Phenoxyethanol	122-99-6/204-589-7	<0.20

SECTION 4: FIRST AID MEASURES

DESCRIPTION OF NECESSARY MEASURES ACCORDING TO ROUTES OF EXPOSURE

4.1 General Advice :

The usual precautions for handling chemicals should be observe If any symptoms should occur, seek medical advice.

4.2 After inhalation:

Fresh air, keep warm and at rest.

4.3 Skin contact:

Remove contaminated clothing immediately and drench affected skin with plenty of water. Then wash with soap and water.

4.4 Eye contact:

If substance has got into eyes, immediately wash out with water for at least 15 minutes. Seek medical attention if irritation persists.

4.5 After ingestion:

Ingestion is unlikely to occur. If swallowed accidentally, do not induce vomiting and seek medical advice.

SECTION 5: FIRE FIGHTING MEASURES

5.1 Flash point (without propellant):

None

5.2 Explosion limits :

upper limit :

not applicable

lower limit :

not applicable

5.3 Extinguishing media :

foam, carbon dioxide or dry agent

5.4 Fire-fighting procedures :

Keep container(s) exposed to fire cool, by spraying with water

5.5 Unusual exposure hazard :

Aerosols may explode if heated above 50°C

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions :

Shut off all ignition sources Ensure adequate ventilation Wear suitable protective clothing and gloves.

6.2 Environmental precautions :

Do not allow to enter public sewers and watercourses.

6.3 Cleaning methods :

Flush spill area with copious amounts of water

SECTION 7: HANDLING AND STORAGE

7.1 Handling:

Use only in well ventilated areas. Keep away from heat and sources of ignition.

Do not spray on a naked flame or incandescent material. Do not pierce or burn aerosols, even after use.

Do not pierce or burn aerosols, even after use. Avoid contact with skin and eyes.

7.2 Storage:

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Store frost free.

Keep out of reach of children.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Ingredients with limit values that require monitoring at the workplace:

67-63-0 propan-2-ol

WEL (Great Britain) Short-term value: 1250 mg/m3, 500ppm Long-term value: 999 mg/m3, 400ppm

PEL (USA) 980 mg/m3,400ppm

REL (USA) Short-term value: 1225 mg/m3,500ppm Long-term value: 980 mg/m3, 400ppm

TLV (USA) Short-term value: 984 mg/m3,400ppm Long-term value: 492 mg/m3, 200ppm BEL

DNELs: Not available.

PNECs: Not available.

Additional information: the lists valid during the making were used as basis.

8.2 Personal protective equipment

General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Respiratory protection: Not necessary if room is well-ventilated.

Protection of hands:

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material:

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection: Goggles recommended during refilling.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	**Physical state:**	**propane/butane propelled liquid**	
	Color:	**colorless**	
	Odor:		**with odor**
Boiling point/range :	**Nearly water (ca.100℃)**		
Relative density :		**Ca. 1.0 g/cm3 (@ 20°C)**	
Vapor pressure :		**not available**	
Relative vapor density :	**Nearly water**		
Solubility in water :	**Soluble in water**		
Flash point :			**None**
Auto-ignition :		**Product is not self-igniting.**	
Viscosity :			**Nearly water**
Evaporation rate :		**<1%**	

SECTION 10: STABILITY AND REACTIVITY

10.1 Conditions to avoid:

Avoid heat and direct sunlight

10.2 Materials to avoid:

Strong oxidizing agent

10.3 Hazardous decomposition products:

No dangerous decomposition products known.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Acute toxicity

LD/LC50 values relevant for classification: 67-63-0 propan-2-ol

Oral LD50	5045 mg/kg (rat)
Dermal LD50	12800 mg/kg (rabbit)
Inhalative LC50/4h	30mg/l (rat)

61789-40-0 surface active agent

Oral LD50	2700 mg/kg (rat)

122-99-6 2-Phenoxyethanol

Oral LD50	>1260 mg/kg (rat)
Dermal LD50	2000 mg/kg (rabbit)

11.2 Primary irritant effect

On the skin: Irritating effect possible. On the eye: Irritating effect possible. Sensitization: Sensitization possible.

11.3 additional toxicological information:

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version. When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

Toxicokinetics, metabolism and distribution: Not available.

Acute effects (acute toxicity, irritation and corrosively): Not available.

Repeated dose toxicity: Not available.

CMR effects (carcinogenetic, mutagenicity and toxicity for reproduction): Not available

SECTION 12: ECOLOGICAL INFORMATION

Degradability :

The surfactant(s) contained in this preparation complies (comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Do not allow to enter public sewers and watercourses.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste disposal instructions

Do not empty into drains.

Disposal should be in accordance with local, state or national legislation.

SECTION 14: TRANSPORT INFORMATION

UN-number :

International transportation regulations US DOT:

Not regulated as a hazardous material or dangerous goods for transportation

ICAO/IATA:

Not regulated as a hazardous material or dangerous goods for transportation

IMO/IMDG:

Not regulated as a hazardous material or dangerous goods for transportation

RID/ADR:

Not regulated as a hazardous material or dangerous goods for transportation

SECTION 15: REGULATORY INFORMATION

Safety-phrase(s) :

S2: Keep out of the reach of children.

S23: Do not breathe spray.

S24/25: Avoid contact with skin and eyes.
Contains :
0.45 % by mass of the contents are flammable.
This product is not classified as dangerous according to Directive 1999/45/EC as amended and adapted.

SECTION 16: OTHER INFORMATION

Disclaimer

Information presented here in has been compiled from information provided to us

By our clients and other sourced considered to be dependable, and is accurate and reliable to the best of our knowledge and belief but is not guaranteed to be so. Nothing here in is to be construed as recommending any practice or the use of any product in violation of any patent or in violation of any law or regulation. It is the user's responsibility to determine the suitability of any material for a specific purpose and to adopt such safety precautions a may be necessary. We make no warranty as to the results to be obtained in using any material and, since conditions of use are not under our control, we must necessarily disclaim all liability with respect to the use of any material supplied by us.
Key/Legend
NA = Not available or Not Applicable. ND = Not determined or No data. MAC = Maximum Allowable Concentration. TWA = Time Weighted Average. ACGIH = American Conference of Governmental Industrial Hygienists. IARC = International Agency for Research on Cancer. TSCA = Toxic Substance Control Act. DSL = Domestic Substances List (Canada). EINECS = European Inventory of Existing Commercial Substances; IECSC = Inventory of Existing Chemical Substances.
Sources Used
EU Directive 2001/58/EC EU Directive 2001/59/EC EU Directive 1999/45/EC EU Directive 67/548/EEC

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

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.