



**MATERIAL SAFETY DATA SHEET**

***ARTLINE WHITEBOARD  
CLEANER***

<b>SECTION 1: IDENTIFICATION</b>
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<b>PRODUCT NAME</b>	<b>ARTLINE WHITEBOARD CLEANER</b>
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<b>Product Code</b>	<b>1-4375</b>
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<b>Recommended Use</b>	Clean whiteboards.
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<b>SUPPLIER</b>
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<b>MANUFACTURER</b>
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## SECTION 2: HAZARDS IDENTIFICATION

### HAZARDOUS

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

HAZARDS CLASSIFICATION: IRRITANT

### DANGEROUS GOODS



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

DANGEROUS GOODS CLASSIFICATION: FLAMMABLE LIQUID

### NOT CLASSIFIED AS A POISON

According to criteria of:  
Standard for the Uniform Scheduling of Drugs and Poisons

### RISK PHRASES

- |               |   |
|---------------|---|
| <b>R11</b>    | HIGHLY FLAMMABLE.                                     |
| <b>R20/22</b> | HARMFUL BY INHALATION AND IF SWALLOWED                |
| <b>R36/38</b> | IRRITATING TO EYES AND SKIN                           |
| <b>R66</b>    | REPEATED EXPOSURE MAY CAUSE SKIN DRYNESS AND CRACKING |

### SAFETY PHRASES

- |             |   |
|-------------|---|
| <b>S2</b>   | KEEP OUT OF REACH OF CHILDREN   |
| <b>S7/9</b> | KEEP CONTAINER TIGHTLY CLOSED AND IN A WELL VENTILATED PLACE                            |
| <b>S16</b>  | KEEP AWAY FROM SOURCES OF IGNITION  |
| <b>S25</b>  | AVOID CONTACT WITH EYES   |
| <b>S26</b>  | AFTER CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE |

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**S64** IF SWALLOWED, RINSE MOUTH WITH WATER (ONLY IF PERSON IS CONSCIOUS)

### **SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS**

<b>Chemical Entity</b>	<b>CAS No.</b>	<b>Proportion (%)</b>
Isopropanol	67-63-0	70%
Other 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**

First aid usually not required. If pain or irritation develops and persists seek medical attention.

#### **Inhaled**

Not considered a probable path of exposure.

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.

#### **ADVICE TO DOCTOR**

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

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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

### **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, Alcohol Stable 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 Flammable 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**

Highly flammable liquid. May form flammable mixtures with air.

### **HAZCHEM CODE**

2[Y]E.

## **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.

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## **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**

	<u>Isopropanol</u>
TWA (mg/m <sup>3</sup> )	983 mg/m <sup>3</sup>
TWA (ppm)	500 ppm

### **BIOLOGICAL LIMIT VALUES**

No information available.

### **ENGINEERING CONTROLS**

Natural ventilations should be adequate under normal conditions of use.

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## **PERSONAL PROTECTION**

### **Respiratory Protection**

Not considered necessary under normal conditions of use.

### **Skin Protection**

Not considered necessary under normal conditions of use.

For cleanup of spills wear PVC or rubber gloves on hands and suitable impervious protective clothing. Safety boots with non-slip soles should be worn. Refer to Australian Standard AS/NZS 2161.1.

### **Eye Protection**

Avoid eye contact. If spillage or splashing is likely to occur during handling wear splash resistant goggles or face shield.

## **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance</b>	A clear liquid
<b>Odour</b>	Alcohol
<b>Boiling Point (°C)</b>	Isopropanol: 82.4°C
<b>Solubility in water</b>	Miscible
<b>Specific Gravity</b>	0.85 – 0.90
<b>pH (as is)</b>	No data available
<b>pH (1% Aqueous Solution)</b>	No data available
<b>Viscosity (@ 20°C)</b>	No data available
<b>Flash Point (°C)</b>	12 °C (100% isopropanol)
<b>Lower Explosive Limit %</b>	No data available
<b>Upper explosive limit %</b>	No data available
<b>Volatile Organic Compounds (VOC) content</b>	70%
<b>Evaporation Rate</b>	No data available
<b>Percent Volatile</b>	No data available

## **SECTION 10: STABILITY AND REACTIVITY**

### **CHEMICAL STABILITY**

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

### **CONDITIONS TO AVOID**

Sources of ignition – product is flammable.

### **INCOMPATIBLE MATERIALS**

No information available for this product.

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### **HAZARDOUS DECOMPOSITION PRODUCTS**

No information available for this product.

### **HAZARDOUS REACTIONS**

No information available for this product.

## **SECTION 11: TOXICOLOGICAL INFORMATION**

### **TOXICITY DATA**

Isopropanol

LD<sub>50</sub> oral (rat): 4396mg/kg

LC<sub>50</sub> inhalation (rat): 72.6mg/L/4hrs

### **HEALTH EFFECTS – ACUTE**

#### **Swallowed**

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

This product may still produce harmful central nervous system effects. Effects may include excitation, euphoria, headache, dizziness, blurred vision, fatigue, tremors, convulsions, loss of consciousness, coma, respiratory arrest and death. Severe acute intoxication may cause hypoglycaemia, hypothermia and extensor rigidity. Other effects may include decreased blood pressure, vomiting blood and blood changes. Aspiration into the lungs may cause pneumonitis.

#### **Eye**

This product is an eye irritant when assessed against criteria of Worksafe Australia.

Direct eye contact may produce immediate discomfort for the individual, with consequent reflex closure of the lid and tearing. Foreign body type discomfort may persist for a short time. Damage to the eyes may occur.

#### **Skin**

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

Direct skin contact may produce skin reactions due to the removal of natural oils from the skin. The skin may appear red and may become sore, exhibiting cracking, scaling and blistering.

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Repeated skin contact may produce sensitisation dermatitis in predisposed individuals.

#### **Inhaled**

Vapour may be irritating to respiratory tract and mucus membranes.

## **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**

DO NOT allow product to enter Waterways, Drains and Sewers.

#### **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 information available.



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## SECTION 14: TRANSPORT INFORMATION

**UN No.:** 1993  
**Shipping Name:** Isopropanol (Isopropyl Alcohol)

**DANGEROUS GOODS CLASS:**



**Subsidiary Risk:** No subsidiary risk allocated.  
**Packaging Group:** II  
**HAZCHEM Code:** 2[Y]E  
**Precautions For User:** Not Regulated

## SECTION 15: REGULATORY INFORMATION

**Poisons Schedule:** Not Scheduled  
**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 <sub>50</sub>	LC stands for "Lethal Concentration". LC <sub>50</sub> 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 <sub>50</sub>	LD stands for "Lethal Dose". LD <sub>50</sub> 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

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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**

AS3780: The Storage & Handling of Corrosive Substances

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

### **END OF MSDS**

**Last Updated: September 2013**

**Revised By: Pelikan Artline Pty Ltd**



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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.

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