



## MATERIAL SAFETY DATA SHEET

### LEMON DISINFECTANT

#### SECTION 1: IDENTIFICATION

**PRODUCT NAME:** LEMON DISINFECTANT

**Product Codes:** 3x5L plastic drum: 632010701

1x15L plastic drum: 632010801

1x200L Lemon Disinfectant: 632011701

**Recommended Use:** Disinfectant and deodoriser.

**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](mailto: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](mailto:MSDS@pelikanartline.com.au)

#### SECTION 2: HAZARDS IDENTIFICATION

**NON HAZARDOUS**

According to criteria of:

National Occupational Health & Safety Commission NOHSC

**HAZARDS CLASSIFICATION:** None Allocated

**NOT DANGEROUS GOODS**

**DANGEROUS GOODS CLASSIFICATION:** None Allocated

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 (%)
N-Alkyl Dimethyl benzyl Ammonium Chloride	[8001-54-5]	< 5%
Non-hazardous ingredients		To 100%

**SECTION 4: FIRST AID MEASURES**

**DESCRIPTION OF NECESSARY MEASURES ACCORDING TO ROUTES OF EXPOSURE**

**Swallowed**

Rinse mouth with water. Give water to drink provided the person is conscious. Never give anything by mouth to an unconscious person. **DO NOT** induce vomiting and seek Medical attention.

**Eye**

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

**Skin**

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

#### **Inhaled**

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 the 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. Discard diluted product immediately after use.

## **SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**

### **NATIONAL EXPOSURE STANDARDS**

- **OSHA Permissible Exposure Limit (PEL):** No limits have been allocated to this product.

### **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.

<b>SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES</b>	
Appearance	A clear yellow coloured, water thin, liquid
Odour	Characteristic Lemon fragrance
Solubility in water	Infinitely soluble
Specific Gravity	1.00 to 1.05
pH (as is)	6.0 to 8.0
pH (1% Aqueous Solution)	Not Applicable
Viscosity (@ 20°C)	Water Thin
Flash Point (°C)	Approximately 100°C
Volatile Organic Compounds (VOC) content	Essentially none present
Evaporation Rate	No Data
Percent Volatile	Essentially none present

## **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.

## **11. TOXICOLOGICAL INFORMATION**

### **TOXICITY DATA**

#### **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, the product 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

## **12. ECOLOGICAL INFORMATION**

### **ECOTOXICITY**

No Data is available for this product.

### **PERSISTANCE 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.

## **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 is available.

## **14. TRANSPORT INFORMATION**

UN No: Not Regulated  
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

## **15. REGULATORY INFORMATION**

Poisons Schedule: Not Regulated  
EPG: Not Regulated  
AICS Name: Not Regulated  
NZ Toxic Substance: Not Regulated

## **16. OTHER INFORMATION**

### **LEGEND TO ABBREVIATIONS AND ACRONYMS:**

< Less than  
> Greater than

AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
CO <sub>2</sub>	Carbon Dioxide
COD	Chemical Oxygen Demand
ERMA	Environmental Risk Management Authority
LC50	LC stands for lethal concentration. LC50 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.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals
Misc	Miscible
N/A	Not Applicable
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)
cm <sup>2</sup>	Square centimetres
deg C (°C)	Degrees Celsius
g	Gram
g/cm <sup>3</sup>	Grams per cubic centimetre
g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per cubic metre
ltr	Litre
m <sup>3</sup>	Cubic metre
mPa.s	Milli Pascal per second
mbar	Millibar
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m <sup>3</sup>	Milligrams per cubic metre
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
ppm/2h	Parts per million per 2 hours
ppm/6h	Parts per million per 6 hours
tne	Tonne
ug/24H	Micrograms per 24 hours
wt	Weight



## **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 [HOHSC: 2007 (1994)]

National Standards for the Storage and Handling of Workplace Dangerous Goods [HOHSC: 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 23<sup>rd</sup> Addition June 2008]

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:** June 2011

**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.**

© Copyright 2009 Pelikan Artline Pty Ltd