Section 1 - Identifi ation of The Material and Supplier

Distributor
Axi-Kem Pty Ltd
54 Yambil Street
Griffith, NSW 2680

Phone: 02 6962 6455 (office hours)
Fax: 02 6962 6624
Email:info@axikem.com.au

Manufacturer
aiMix Chemicals Pty Ltd
52-54 Power St
St Marys, NSW 2760

Phone: 02 9623 3288 (office hours)
Fax: 02 9623 3655
Email: aimixchemicals@bigpond.com

Chemical nature: *Water solution of surfactants and other minor ingredients.*
Trade Name: **Lemon Hospital Grade Disinfectant**
Product Code: *1014C*
Product Use: *Hospital grade disinfectant.*
Creation Date: **July, 2005**
This version issued: **December, 2023** *and is valid for 5 years from this date.*

Section 2 - Hazards Identification

Statement of Hazardous Nature

This product is classified as: Not classified as hazardous according to the criteria of SWA Australia.
Not a Dangerous Good according to Australian Dangerous Goods (ADG) Code, IATA and IMDG/IMSBC criteria.

Risk Phrases: *Not Hazardous - No criteria found.*
Safety Phrases: *S25. Avoid contact with eyes.*
SUSMP Classification: *None allocated.*
ADG Classification: *None allocated. Not a Dangerous Good under the ADG Code.*
UN Number: *None allocated*

GHS Signal word: NONE. Not hazardous.

PREVENTION

P102: Keep out of reach of children.
P262: Do not get in eyes, on skin, or on clothing.
P281: Use personal protective equipment as required.

RESPONSE

P337: If eye irritation persists: seek medical attention.
P353: Rinse skin or shower with water.
P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P370+P378: Not combustible. Use extinguishing media suited to burning materials.

STORAGE

P402+P404: Store in a dry place. Store in a closed container.

DISPOSAL

P501: If product can not be recycled or reclaimed, contact a specialist waste disposal company (see Section 13 of this SDS).

Emergency Overview

Physical Description & Colour*: yellow coloured liquid.*
Odour: *Pleasant Lemon Fragrance.*
Major Health Hazards: *no significant risk factors have been found for this product.*

Potential Health Effects

Inhalation

Short Term Exposure: *Significant inhalation exposure is considered to be unlikely. Available data indicates that this product is not harmful. In addition product is unlikely to cause any discomfort or irritation.*
Long Term Exposure: *No data for health effects associated with long term inhalation.*

Skin Contact:

Short Term Exposure: *Available data indicates that this product is not harmful. It should present no hazards in normal use. However product may be mildly irritating, but is unlikely to cause anything more than mild discomfort which should disappear once contact ceases.*
Long Term Exposure: *No data for health effects associated with long term skin exposure.*

Eye Contact:

Short Term Exposure: *Exposure via eyes is considered to be unlikely. This product is believed to be mildly irritating, to eyes, but is unlikely to cause anything more than mild transient discomfort.*
Long Term Exposure: *No data for health effects associated with long term eye exposure.*

Ingestion:

Short Term Exposure: *Significant oral exposure is considered to be unlikely. However, this product may be irritating to mucous membranes but is unlikely to cause anything more than transient discomfort.*
Long Term Exposure: *No data for health effects associated with long term ingestion.*

Carcinogen Status:

SWA: *No significant ingredient is classified as carcinogenic by SWA.*
NTP: *No significant ingredient is classified as carcinogenic by NTP.*
IARC: *No significant ingredient is classified as carcinogenic by IARC.*

Section 3 - Composition/Information on Ingredients

Ingredients	CAS No	Conc,%	TWA (mg/m^3)	STEL (mg/m^3)
Alkylbenzyldimethyl ammonium chloride	*68424-85-1*	*1-5*	*not set*	*not set*
Other non hazardous ingredients	*secret*	*1-5*	*not set*	*not set*
Water	*7732-18-5*	*to 100*	*not set*	*not set*

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non hazardous ingredients are also possible.

The TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that should not be exceeded for more than 15 minutes and should not be repeated for more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak "is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

Section 4 - First Aid Measures

General Information:

You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 1126 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this SDS with you when you call.

Inhalation: *First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.*
Skin Contact: *Irritation is unlikely. However, if irritation does occur, flush with lukewarm, gently flowing water for 5 minutes or until chemical is removed.*
Eye Contact: *Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 5 minutes or until the product is removed, while holding the eyelid(s) open. Obtain medical advice immediately if irritation occurs.*
Ingestion: *If product is swallowed or gets in mouth, wash mouth with water and give some water to drink. If symptoms develop, or if in doubt contact a Poisons Information Centre or a doctor.*

Section 5 - Fire Fighting Measures

Fire and Explosion Hazards*: There is no risk of an explosion from this product under normal circumstances if it is involved in a fire.*
Only small quantities of decomposition products are expected from this products at temperatures normally achieved in a fire. This will only occur after heating to dryness.
Fire decomposition products from this product are not expected to be hazardous or harmful.
Extinguishing Media: *Not Combustible. Use extinguishing media suited to burning materials.*
Fire Fighting: *If a significant quantity of this product is involved in a fire, call the fire brigade.*
Flash point: *Does not burn.*
Upper Flammability Limit: *Does not burn.*

Lower Flammability Limit: *Does not burn.*
Autoignition temperature: *Not applicable - does not burn.*
Flammability Class: *Does not burn.*

Section 6 - Accidental Release Measures

Accidental release: *Minor spills do not normally need any special cleanup measures. In the event of a major spill, prevent spillage from entering drains or water courses. As a minimum, wear overalls, goggles and gloves. Suitable materials for protective clothing include rubber, PVC. Eye/face protective equipment should comprise as a minimum, protective glasses and, preferably, goggles. If there is a significant chance that vapours or mists are likely to build up in the cleanup area, we recommend that you use a respirator. Usually, no respirator is necessary when using this product. However, if you have any doubts consult the Australian Standard mentioned below (section 8).*
Stop leak if safe to do so, and contain spill. Absorb onto sand, vermiculite or other suitable absorbent material. If spill is too large or if absorbent material is not available, try to create a dike to stop material spreading or going into drains or waterways. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage, and dispose of promptly. Recycle containers wherever possible after careful cleaning. After spills, wash area preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services. This material may be suitable for approved landfill. Ensure legality of disposal by consulting regulations prior to disposal. Thoroughly launder protective clothing before storage or re-use. Advise laundry of nature of contamination when sending contaminated clothing to laundry.

Section 7 - Handling and Storage

Handling: *Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Check Section 8 of this SDS for details of personal protective measures, and make sure that those measures are followed. The measures detailed below under "Storage" should be followed during handling in order to minimise risks to persons using the product in the workplace. Also, avoid contact or contamination of product with incompatible materials listed in Section 10.*
Storage: *Make sure that the product does not come into contact with substances listed under "Incompatibilities" in Section 10. Check packaging - there may be further storage instructions on the label.*

Section 8 - Exposure Controls and Personal Protection

The following Australian Standards will provide general advice regarding safety clothing and equipment:

Respiratory equipment: **AS/NZS 1715***, Protective Gloves:* **AS 2161***, Occupational Protective Clothing: AS/NZS 4501 set 2008, Industrial Eye Protection:* **AS1336** *and* **AS/NZS 1337***, Occupational Protective Footwear:* **AS/NZS2210***.*

SWA Exposure Limits **TWA (mg/m^3)** **STEL (mg/m^3)**
Exposure limits have not been established by SWA for any of the significant ingredients in this product.

No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.
Ventilation: *No special ventilation requirements are normally necessary for this product. However make sure that the work environment remains clean and that vapours and mists are minimised.*
Eye Protection: *Eye protection such as protective glasses or goggles is recommended when this product is being used.*
Skin Protection: *The information at hand indicates that this product is not harmful and that normally no special skin protection is necessary. However, we suggest that you routinely avoid contact with all chemical products and that you wear suitable gloves (preferably elbow-length) when skin contact is likely.*
Protective Material Types: *There is no specific recommendation for any particular protective material type.*
Respirator: *Usually, no respirator is necessary when using this product. However, if you have any doubts consult the Australian Standard mentioned above.*

Section 9 - Physical and Chemical Properties:

Physical Description & colour: *Yellow coloured liquid.*
Odour: *Pleasant fragrance.*
Boiling Point: *Approximately 100°C at 100kPa.*
Freezing/Melting Point: *Approximately 0°C.*
Volatiles: *Water component.*
Vapour Pressure: *2.37 kPa at 20°C (water vapour pressure).*
Vapour Density: *No data.*
Specific Gravity: *1.0 approx*
Water Solubility: *Completely soluble in water.*
pH: *Neutral.*

Volatility: *No data.*
Odour Threshold: *No data.*
Evaporation Rate: *No data.*
Coeff Oil/water Distribution: *No data*
Autoignition temp: *Not applicable - does not burn.*

Section 10 - Stability and Reactivity

Reactivity: *This product is unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf life properties.*
Conditions to Avoid: *None known.*
Incompatibilities: *No particular Incompatibilities.*
Fire Decomposition: *Only small quantities of decomposition products are expected from this products at temperatures normally achieved in a fire. This will only occur after heating to dryness. Carbon dioxide, and if combustion is incomplete, carbon monoxide and smoke. Nitrogen and its compounds, and under some circumstances, oxides of nitrogen. Occasionally hydrogen cyanide gas. Hydrogen chloride gas, other compounds of chlorine. Water. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment, and unconsciousness followed by coma and death.*
Polymerisation: *This product will not undergo polymerisation reactions.*

Section 11 - Toxicological Information

Local Effects:
Target Organs: *None known*

Classification of Hazardous Ingredients

Ingredient *Risk Phrases*

No ingredient mentioned in the HSIS database is present in this product at hazardous concentrations.

Section 12 - Ecological Information

Insufficient data to be sure of status.

Section 13 - Disposal Considerations

Disposal: *Containers should be emptied as completely as practical before disposal. If possible, recycle containers either in-house or send to recycle company. If this is not practical, send to a commercial waste disposal site. This product should be suitable for landfill. However, check with local Waste Disposal Authority before sending there. Note that product properties may have been changed in use, significantly altering it's suitability for landfill. Please do NOT dispose into sewers or waterways.*

Section 14 - Transport Information

UN Number: *This product is not classified as a Dangerous Good by ADG, IATA or IMDG/IMSBC criteria. No special transport conditions are necessary unless required by other regulations.*

Section 15 - Regulatory Information

AICS: *All of the significant ingredients in this product are compliant with NICNAS regulations.*

Section 16 - Other Information

This SDS contains only safety-related information. For other data see product literature.

Acronyms:

ADG Code	*Australian Code for the Transport of Dangerous Goods by Road and Rail, 7th Edition*
AICS	*Australian Inventory of Chemical Substances*
CAS Number	*Chemical Abstracts Service Registry Number*
Hazchem Code	*Emergency action code of numbers and letters that provide information to emergency services especially firefighters*
IARC	*International Agency for Research on Cancer*
SWA	*Safe Work Australia, formerly ASCC and NOHSC*
NOS	*Not otherwise specified*
NTP	*National Toxicology Program (USA)*
R-Phrase	*Risk Phrase*

SUSMP *Standard for the Uniform Scheduling of Medicines & Poisons*
UN Number *United Nations Number*

THIS SDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS SDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE.

IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS

OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

Please read all labels carefully before using product.

This SDS is prepared in accord with the SWA document "Preparation of Safety Data Sheets for Hazardous Chemicals - Code of Practice" (December 2011)
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http://www.kilford.com.au/ Phone (02)9251 4532