SAFETY DATA SHEET

Section 1 - Identification of The Material and Supplier

Distributor
AXIKEM 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 detergents, solvent and other cleaning aids.*
Trade Name:	**Warrior**
Product Use:	*High performance multi functional cleaner/degreaser.*
Creation Date:	**April, 2014**
This version issued:	**December, 2022** *and is valid for 5 years from this date.*

Section 2 - Hazards Identification

Statement of Hazardous Nature

This product is classified as: Xi, Irritating. Hazardous according to the criteria of SWA.

Not a Dangerous Good according to the Australian Dangerous Goods (ADG) Code.

Risk Phrases: *R66, R36/38. Repeated exposure may cause skin dryness or cracking. Irritating to eyes and skin.*
Safety Phrases: *S23, S36, S24/25. Do not breathe vapours or mists. Wear suitable protective clothing. Avoid contact with skin and eyes.*
SUSMP Classification: *None allocated.*
ADG Classification: *None allocated. Not a Dangerous Good under the ADG Code.*
UN Number: *None allocated*



GHS Signal word: WARNING

HAZARD STATEMENT:

AUH066: Repeated exposure may cause skin dryness or cracking.
H315: Causes skin irritation.
H320: Causes eye irritation.

PREVENTION

P264: Wash contacted areas thoroughly after handling.
P281: Use personal protective equipment as required.

RESPONSE

P362: Take off contaminated clothing and wash before reuse.
P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P302+P352: IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332+P313: If skin irritation occurs: Get medical advice.
P337+P313: If eye irritation persists: Get medical advice.
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 they can not be recycled, dispose of contents to an approved waste disposal plant and containers to landfill (see Section 13 of this SDS).

Emergency Overview

Physical Description & Colour*: Clear liquid.*
Odour: *No odour.*
Major Health Hazards: *irritating to eyes and skin, repeated exposure may cause skin dryness or cracking.*

Potential Health Effects

Inhalation:

Short Term Exposure: *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 is a skin irritant. Symptoms may include itchiness and reddening of contacted skin. Other symptoms may also become evident, but all should disappear once exposure has ceased.*
Long Term Exposure: *Repeated exposure may cause skin dryness or cracking.*

Eye Contact:

Short Term Exposure: *This product is an eye irritant. Symptoms may include stinging and reddening of eyes and watering which may become copious. Other symptoms may also become evident. If exposure is brief, symptoms should disappear once exposure has ceased. However, lengthy exposure or delayed treatment may cause permanent damage.*
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 is an oral irritant. Symptoms may include burning sensation and reddening of skin in mouth and throat. Other symptoms may also become evident, but all should disappear once exposure has ceased.*
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: *Ethanol is classed 1 by IARC - carcinogenic to humans.*
See the IARC website for further details. A web address has not been provided as addresses frequently change.

Section 3 - Composition/Information on Ingredients

Ingredients	CAS No	Conc,%	TWA (mg/m^3)	STEL (mg/m^3)
Surfactants	*various*	*5-15*	*not set*	*not set*
Ethanol	*64-17-5*	*3-6*	*1880*	*not set*
Other non hazardous ingredients	*various*	*3-6*	*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 SWA 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 may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated 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: *Wash gently and thoroughly with warm water (use non-abrasive soap if necessary) for 10-20 minutes or until product is removed. Under running water, remove contaminated clothing, shoes and leather goods (e.g. watchbands and belts) and completely decontaminate them before reuse or discard. If irritation persists, repeat flushing and seek medical attention.*

Eye Contact: *Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 20 minutes or until the product is removed, while holding the eyelid(s) open. Take care not to rinse contaminated water into the unaffected eye or onto the face. Obtain medical attention immediately. Take special care if exposed person is wearing contact lenses.*

Ingestion: *If swallowed, do NOT induce vomiting. Wash mouth with water and contact a Poisons Information Centre, or call a doctor.*

Section 5 - Fire Fighting Measures

Fire and Explosion Hazards: *The major hazard in fires is usually inhalation of heated and toxic or oxygen deficient (or both), fire gases. 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 product 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: *In the event of a major spill, prevent spillage from entering drains or water courses. Wear full protective clothing including eye/face protection. All skin areas should be covered. See below under Personal Protection regarding Australian Standards relating to personal protective equipment. Suitable materials for protective clothing include rubber, PVC. Eye/face protective equipment should comprise as a minimum, protective 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. Can be slippery on floors, especially when wet. 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 containers of this product are kept tightly closed. Make sure that the product does not come into contact with substances listed under "Incompatibilities" in Section 10. Some liquid preparations settle or separate on standing and may require stirring before use. 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)**

Ethanol	*1880*	*not set*

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: *Protective glasses or goggles should be worn when this product is being used. Failure to protect your eyes may cause them harm. Emergency eye wash facilities are also recommended in an area close to where this product is being used.*
Skin Protection: *Prevent skin contact by wearing impervious gloves, clothes and, preferably, apron. Make sure that all skin areas are covered. See below for suitable material types.*
Protective Material Types: *We suggest that protective clothing be made from the following materials: rubber, PVC.*
Respirator: *Usually, no respirator is necessary when using this product. However, if you have any doubts consult the Australian Standard mentioned above.*
Eyebaths or eyewash stations and safety deluge showers should, if practical, be provided near to where this product is being handled commercially.

Section 9 - Physical and Chemical Properties:

Physical Description & colour:	*Clear liquid.*
Odour:	*No odour.*
Boiling Point:	*Approximately 100°C at 100kPa.*
Freezing/Melting Point:	*Below 0°C.*
Volatiles:	*Water component.*
Vapour Pressure:	*2.37 kPa at 20°C (water vapour pressure).*
Vapour Density:	*As for water.*
Specific Gravity:	*No data.*
Water Solubility:	*Completely soluble in water.*
pH:	*11.5-12.0 (as supplied)*
Volatility:	*No data.*
Odour Threshold:	*No data.*
Evaporation Rate:	*As for water.*
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: *Keep containers tightly closed.*
Incompatibilities: *acids, zinc, tin, aluminium and their alloys.*
Fire Decomposition: *Only small quantities of decomposition products are expected from this product at temperatures normally achieved in a fire. This will only occur after heating to dryness. Combustion forms carbon dioxide, and if incomplete, carbon monoxide and possibly smoke. Water is also formed. May form nitrogen and its compounds, and under some circumstances, oxides of nitrogen. Occasionally hydrogen cyanide gas in reducing atmospheres. 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: *There is no data to hand indicating any particular target organs.*

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 product and containers either in-house or send to recycle company. If this is not practical, send to a commercial waste disposal site.*

Section 14 - Transport Information

ADG Code: *This product is not classified as a Dangerous Good. No special transport conditions are necessary unless required by other regulations.*

Section 15 - Regulatory Information

AICS: *All of the significant ingredients in this formulation 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*
SWA	*Safe Work Australia, formerly ASCC and NOHSC*
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*
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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