

MATERIAL SAFETY DATA SHEET**AQUA KLEEN (VD5 / VD25)****Hazardous according to criteria of Worksafe Australia****IDENTIFICATION**

Product Code:	VD5 / VD25	Trade Name:	AQUA Kleen
Manufacturers Code:	26002	Other Name:	Liquid Spearhead
Packing Group	(iii)	Uses:	Oil break, Surface cleaner
Hazchem Code:	2X	CAS Number:	6834-92-0
Dangerous Goods Code:	8	Subsidiary Risk:	NONE
UN Number:	3266	Poisons Schedule:	6
Dilution information:	0.0% - 0.7%		

Application: As a high alkalinity detergent for wet blast applications (0.1% dilution). C.I.P. cleaning in dairy, bakery, beverage, and food plants, for soak cleaning of bakery pans.

Manufacturer: Ecolab Pty Ltd
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Australia
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HAZARDS IDENTIFICATION**GHS Classification**

Skin corrosion/irritation: Category 1A
Serious eye damage/irritation: Category 1
Corrosion to metals: Category 1

Product at suggested dilution rate (0.1%)
Not a hazardous substance or mixture

Signal Word: Danger

Hazard Statements: Causes severe skin burns and eye damage.
May be corrosive to metals.

Precautionary Statements: **Prevention:**
Wash skin thoroughly after handling. Wear protective gloves / protective clothing / eye protection / face protection. Keep only in original container.
Response:

IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
If ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTRE or Doctor / physician.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTRE or Doctor / physician.
Wash contaminated clothing before reuse. Absorb spillage to prevent material damage.

Product at suggested dilution rate (0.1%)

Precautionary Statements:

Prevention:

Wash skin thoroughly after handling.

Response:

Seek medical advice / attention if you feel unwell.

Storage:

Tore in accordance with local regulations.

Other Hazards:

None known

INGREDIENTS

	Range (w/w)
Disodium metasilicate	10-<30%
Other ingredients not considered hazardous by Worksafe Australia and not dangerous according to ADG Code, make up the product concentration to 100%	

PHYSICAL and CHEMICAL PROPERTIES

Appearance:	Slightly hazy, colourless, slightly viscous liquid with a sweet ammoniacal odour.
Boiling Point:	No data available
Vapour Pressure:	No data available
Percent Volatiles:	No data available
Specific Gravity:	1.24 - 1.26
Flash Point [C]:	No data available
Flammability Limits [%]:	No known fire hazard
Auto ignition temp:	No data available
Melting Point:	No data available
pH (neat):	13.0 – 14.0, 100%
pH at Dilution:	10.8 – 11.8, 0.1% – 0.7%
Water solubility:	Soluble

Solubility in solvents:	No data available
Partition Coefficient:	No data available
Auto-Ignition:	No data available
Viscosity, kinematic:	No data available
Explosive properties:	No data available
Oxidizing properties:	No data available
Thermal decomposition:	No data available

HEALTH HAZARD

Swallowed: Corrosive and harmful if swallowed

Eye: Corrosive to eyes may cause severe and permanent damage.

Skin: This product is corrosive to the skin.

Inhalation: Available information indicates that there is little or no hazard when vapours from the product are inhaled.

FIRST AID

Swallowed: If poisoning occurs, contact a doctor or poisons information centre. Rinse mouth with water, DO NOT INDUCE VOMITING. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Eye: Irrigate immediately with generous quantities of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing and **seek immediate medical assistance.**

Skin: Wash off immediately with plenty of water for at least 15 minutes. Use a mild soap if available. Remove contaminated clothing and wash before reuse. Thoroughly clean shoes before reuse. **Seek immediate medical assistance.**

Inhalation: Remove to fresh air. Treat symptomatically. Get medical attention if symptoms occur.

First-Aiders: If potential for exposure exists, refer to Exposure Controls/Personal Protection section.

ACCIDENTAL RELEASE MEASURES

Personal Precautions: Ensure adequate ventilation. Keep people away from and upwind of the spill / leak. Avoid inhalation, ingestion and

contact with skin and eyes. When workers are facing concentrations above the exposure limit they must wear certified respirators. Ensure clean-up is conducted by trained personnel only.

Environmental precautions: Do not allow contact with soil, surface or ground water.

Containment Method: Stop leak if safe to do so. Contain spillage then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal in accordance with local / national regulations. Flush away traces with copious quantities of water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach waterway.

PRECAUTIONS FOR USE

Exposure Standards: No data found.

Ventilation: Use in a well-ventilated area to allow spray mists to dissipate.

Personal Protection: Protective equipment must be worn: PVC gloves, waterproof apron, safety boots and full-face shield. Avoid breathing dust or vapours.

Flammability: Not flammable.

HANDLING and STORAGE INFORMATION

Advice on Handling: Do not ingest. Do not breathe dust / fume / gas / mist / vapours / spray. Use only with adequate ventilation. Wash hands thoroughly after handling. Do not get in eyes, on skin or on clothing.

Safe Storage: Do not store near acids. Keep out of reach of children. Keep container tightly closed. Store in a suitable labelled container.

Storage Temperature: 0°C to 50°C.

EXPOSURE CONTROLS / PERSONAL PROTECTION

Components with workplace control parameters

Contains no substances with occupational exposure limit values

Engineering Measure: Effective exhaust ventilation system. Maintain air concentrations below occupational exposure standards.

Personal Protective Equipment

Eye Protection: Safety goggles or face shield.

Hand Protection: Impervious gloves. PVC gloves.

Skin Protection: Suitable protective gloves, safety goggles and full-length sleeve and leg protective clothing.

Respiratory Protection: When workers are facing concentrations above the exposure limit they must use the appropriate certified respirators.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Wash face, hands and any exposed skin thoroughly after handling. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.

Product at suggested dilution rate (0.1%)

Engineering Measure: Good ventilation should be sufficient to control worker exposure to airborne contaminants.

Personal Protective Equipment

Eye Protection: Safety glasses.

Hand Protection: Standard PVC impervious gloves.

Skin Protection: No special protective equipment required.

Respiratory Protection: No personal respiratory equipment normally required.

STABILITY AND REACTIVITY

Product AS SOLD

Chemical stability: Stable under normal conditions.

Possibility of hazardous reactions: No dangerous reaction known under conditions of normal use.

Conditions to avoid: None known.

Incompatible materials: Acids and Metals

Hazardous decomposition

products: Decomposition products may include the following materials:
Carbon oxides
nitrogen oxides (NO_x)
metal oxides
Oxides of phosphorus

TOXICOLOGICAL INFORMATION

Information on likely routes of exposure : Inhalation, Eye contact, Skin contact

Potential Health Effects

Product AS SOLD

Eyes: Causes serious eye damage.

Skin: Causes severe skin burns.

Ingestion: Causes digestive tract burns.

Inhalation: May cause nose, throat, and lung irritation.

Chronic Exposure: Health injuries are not known or expected under normal use.

Product at suggested dilution rate (0.1%)

Eyes : Health injuries are not known or expected under normal use.

Skin : Health injuries are not known or expected under normal use.

Ingestion : Health injuries are not known or expected under normal use.

Inhalation : Health injuries are not known or expected under normal use.

Chronic Exposure : Health injuries are not known or expected under normal use.

Every endeavour has been made to ensure that the information contained in this publication is reliable and offered in good faith. It is meant to describe the safety requirements of our products and should not be construed as guaranteeing specific properties. Customers are encouraged to conduct their own tests as end user suitability of the product for particular uses is beyond our control.

Date of Preparation Information:

11 August 2018