

## **SAFETY DATA SHEET - AQUA KLEEN**

Product name : **Aqua Kleen**

### **Section: 1. PRODUCT AND COMPANY IDENTIFICATION**

Other means of identification : VD5/VD25

Liquid Spearhead

Recommended use : 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. Surface Cleaner.

Product dilution information : 0.0 % - 0.7 %

Manufacturer : ECOLAB PTY LTD  
2 Drake Avenue  
Macquarie Park, NSW Australia 2113  
1 800 022 002

Emergency telephone : 1800 205 506, +64 7 958 2372  
number

Issuing date : 04.10.2022

### **Section: 2. HAZARDS IDENTIFICATION**

#### **GHS Classification**

##### **Product AS SOLD**

Skin corrosion/irritation : Category 1A

Serious eye damage/eye : Category 1  
irritation

Corrosive to metals : Category 1

#### **Product AT USE DILUTION**

Not a hazardous substance or mixture.

#### **GHS Label element**

##### **Product AS SOLD**

Hazard pictograms :



Signal Word : Danger

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

## **SAFETY DATA SHEET - AQUA KLEEN**

**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 CENTER 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 CENTER or doctor/ physician.  
 Wash contaminated clothing before reuse. Absorb spillage to prevent material damage.  
**Storage:**  
 Store locked up. Store in corrosive resistant container with a resistant inner liner.  
**Disposal:**  
 Dispose of contents/ container to an approved waste disposal plant

### **Product AT USE DILUTION**

**Precautionary Statements** : **Prevention:**  
 Wash hands thoroughly after handling.  
**Response:**  
 Get medical advice/ attention if you feel unwell.  
**Storage:**  
 Store in accordance with local regulations.

### **Product AS SOLD**

**Other hazards** : None known.

## **Section: 3. COMPOSITION/INFORMATION ON INGREDIENTS**

### **Product AS SOLD**

Pure substance/mixture : Mixture

Chemical Name	CAS-No.	Concentration: (%)
sodium metasilicate	6834-92-0	10 - 30

### **Product AT USE DILUTION**

No hazardous ingredients

## **Section: 4. FIRST AID MEASURES**

### **Product AS SOLD**

In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

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|---|---|
| In case of skin contact                                     | : Wash off immediately with plenty of water for at least 15 minutes. Use a mild soap if available. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.                                  |
| If swallowed  | : Contact the Poison's Information Centre (e.g. Australia 13 1126; New Zealand 0800 764 766). Rinse mouth with water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately. |
| If inhaled  | : Remove to fresh air. Treat symptomatically. Get medical attention if symptoms occur.  |
| Protection of first-aiders                                  | : If potential for exposure exists refer to Section 8 for specific personal protective equipment.   |
| Notes to physician  | : Treat symptomatically.  |
| Most important symptoms and effects, both acute and delayed | : See Section 11 for more detailed information on health effects and symptoms.  |

### **Product AT USE DILUTION**

- |                         |  |
|-------------------------|--|
| In case of eye contact  | : Rinse with plenty of water.  |
| In case of skin contact | : Rinse with plenty of water.  |
| If swallowed            | : Contact the Poison's Information Centre (e.g. Australia 13 1126; New Zealand 0800 764 766).<br><br>Rinse mouth. Get medical attention if symptoms occur. |
| If inhaled              | : Get medical attention if symptoms occur.   |

## **Section: 5. FIREFIGHTING MEASURES**

### **Product AS SOLD**

- |                                      |   |
|--------------------------------------|---|
| Suitable extinguishing media         | : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.                                       |
| Unsuitable extinguishing media       | : None known.   |
| Specific hazards during firefighting | : Exposure to decomposition products may be a hazard to health.   |
| Hazardous combustion products        | : Decomposition products may include the following materials:<br>Carbon oxides<br>nitrogen oxides (NOx)<br>metal oxides<br>Oxides of phosphorus |

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Special protective equipment for firefighters	: In case of fire, wear a full face positive-pressure self-contained breathing apparatus and protective suit.
Specific extinguishing methods	: Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.
Hazchem Code	: 2X

### **Section: 6. ACCIDENTAL RELEASE MEASURES**

#### **Product AS SOLD**

Personal precautions, protective equipment and emergency procedures	: Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid inhalation, ingestion and contact with skin and eyes. When workers are facing concentrations above the exposure limit, they must use appropriate certified respirators. Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.
Environmental precautions	: Do not allow contact with soil, surface or ground water.
Methods and materials for containment and cleaning up	: Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

#### **Product AT USE DILUTION**

Personal precautions, protective equipment and emergency procedures	: Refer to protective measures listed in sections 7 and 8.
Environmental precautions	: Do not allow contact with soil, surface or ground water.
Methods and materials for containment and cleaning up	: Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

### **Section: 7. HANDLING AND STORAGE**

#### **Product AS SOLD**

Advice on safe 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.
Conditions for safe storage	: Do not store near acids. Keep out of reach of children. Keep container tightly closed. Store in suitable labeled containers.
Storage temperature	: 0 °C to 50 °C

## **SAFETY DATA SHEET - AQUA KLEEN**

### **Product AT USE DILUTION**

- Advice on safe handling : Wash hands thoroughly after handling.
- Conditions for safe storage : Keep out of reach of children. Keep container tightly closed. Store in suitable labeled containers.

### **Section: 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

#### **Product AS SOLD**

#### **Components with workplace control parameters**

Contains no substances with occupational exposure limit values.

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

#### **Personal protective equipment**

- Eye protection : Safety goggles  
Face-shield
- Hand protection : Wear the following personal protective equipment:  
Standard glove type.  
PVC  
Impervious gloves
- Skin protection : Personal protective equipment comprising: suitable protective gloves, safety goggles and protective clothing
- Respiratory protection : When workers are facing concentrations above the exposure limit, they must use 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 USE DILUTION**

- Engineering measures : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

#### **Personal protective equipment**

- Eye protection : Safety glasses
- Hand protection : Standard glove type.  
PVC
- Skin protection : No special protective equipment required.
- Respiratory protection : No personal respiratory protective equipment normally required.

## **SAFETY DATA SHEET - AQUA KLEEN**

### **Section: 9. PHYSICAL AND CHEMICAL PROPERTIES**

	<b>Product AS SOLD</b>	<b>Product AT USE DILUTION</b>
Appearance	: liquid	liquid
Colour	: clear, amber	amber
Odour	: ammoniacal	slight
pH	: 13.0 - 14.0, 100 %	10.8 - 11.8
Flash point	: Not applicable.	
Odour Threshold	: no data available	
Melting point/freezing point	: no data available	
Initial boiling point and boiling range	: no data available	
Evaporation rate	: no data available	
Flammability (solid, gas)	: no data available	
Upper explosion limit	: no data available	
Lower explosion limit	: no data available	
Vapour pressure	: no data available	
Relative vapour density	: no data available	
Relative density	: 1.24 - 1.26	
Water solubility	: soluble	
Solubility in other solvents	: no data available	
Partition coefficient: n-octanol/water	: no data available	
Auto-ignition temperature	: no data available	
Thermal decomposition	: no data available	
Viscosity, kinematic	: no data available	
Explosive properties	: no data available	
Oxidizing properties	: no data available	
Molecular weight	: no data available	
VOC	: no data available	

### **Section: 10. 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.

## **SAFETY DATA SHEET - AQUA KLEEN**

Incompatible materials	: Acids Metals
Hazardous decomposition products	: Decomposition products may include the following materials: Carbon oxides nitrogen oxides (NOx) metal oxides Oxides of phosphorus

### **Section: 11. 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 USE DILUTION**

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.

#### **Experience with human exposure**

##### **Product AS SOLD**

Eye contact	: Redness, Pain, Corrosion
Skin contact	: Redness, Pain, Corrosion
Ingestion	: Corrosion, Abdominal pain
Inhalation	: Respiratory irritation, Cough

##### **Product AT USE DILUTION**

Eye contact	: No symptoms known or expected.
Skin contact	: No symptoms known or expected.

## **SAFETY DATA SHEET - AQUA KLEEN**

Ingestion	: No symptoms known or expected.
Inhalation	: No symptoms known or expected.

### **Toxicity**

#### **Product AS SOLD**

Acute oral toxicity	: Acute toxicity estimate : > 2,000 mg/kg
Acute inhalation toxicity	: no data available
Acute dermal toxicity	: no data available
Skin corrosion/irritation	: no data available
Serious eye damage/eye irritation	: no data available
Respiratory or skin sensitization	: no data available
Carcinogenicity	: no data available
Reproductive effects	: no data available
Germ cell mutagenicity	: no data available
Teratogenicity	: no data available
STOT - single exposure	: no data available
STOT - repeated exposure	: no data available
Aspiration toxicity	: no data available

## **Section: 12. ECOLOGICAL INFORMATION**

#### **Product AS SOLD**

##### **Ecotoxicity**

Environmental Effects	: This product has no known ecotoxicological effects.
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##### **Product**

Toxicity to fish	: no data available
Toxicity to daphnia and other aquatic invertebrates	: no data available
Toxicity to algae	: no data available
Toxicity to fish	sodium metasilicate 96 h LC50 Fish: 210 mg/l

##### **Persistence and degradability**

no data available

##### **Bio accumulative potential**

no data available

##### **Mobility in soil**



## **SAFETY DATA SHEET - AQUA KLEEN**

no data available

### **Other adverse effects**

no data available

### **Section: 13. DISPOSAL CONSIDERATIONS**

#### **Product AS SOLD**

Disposal methods : Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.

Disposal considerations : Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers. Dispose of in accordance with local, state, and federal regulations.

#### **Product AT USE DILUTION**

Disposal methods : Diluted product can be flushed to sanitary sewer.

Disposal considerations : Dispose of in accordance with local, state, and federal regulations.

### **Section: 14. TRANSPORT INFORMATION**

#### **Product AS SOLD**

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

#### **Land transport (ADG)**

UN number : 3266  
Description of the goods : CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.  
(sodium metasilicate)  
Class : 8  
Packing group : III  
Hazchem Code : 2X  
Environmentally hazardous : No

#### **Air transport (IATA)**

Contact Regulatory for air freight eligibility

#### **Sea transport (IMDG/IMO)**

UN number : 3266  
Description of the goods : CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.  
(sodium metasilicate)  
Class : 8  
Packing group : III  
Marine pollutant : No

#### **Product AT USE DILUTION**

Not intended for transport.

## **SAFETY DATA SHEET - AQUA KLEEN**

<b>Section: 15. REGULATORY INFORMATION</b>
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### **National regulatory information**

Standard for the Uniform : Schedule 6  
Scheduling of Medicines and  
Poisons

**The components of this product are reported in the following inventories:**

**United States TSCA Inventory :**  
On TSCA Inventory

**Canadian Domestic Substances List (DSL) :**  
This product contains one or several components listed in the Canadian NDSL.

**Australia. Industrial Chemical (Notification and Assessment) Act :**  
On the inventory, or in compliance with the inventory

**New Zealand. Inventory of Chemicals (NZIoC), as published by ERMA New Zealand :**  
On the inventory, or in compliance with the inventory

**Japan. ENCS - Existing and New Chemical Substances Inventory :**  
On the inventory, or in compliance with the inventory

**Japan. ISHL - Inventory of Chemical Substances (METI) :**  
On the inventory, or in compliance with the inventory

**Korea. Korean Existing Chemicals Inventory (KECI) :**  
not determined

**Philippines Inventory of Chemicals and Chemical Substances (PICCS) :**  
This product and/or component(s) are exempt or excluded from the Philippines Inventory of Chemicals and Chemical Substances (PICCS) under the Republic Act 6969 (RA 6969).

**China Inventory of Existing Chemical Substances :**  
not determined

## **SAFETY DATA SHEET - AQUA KLEEN**

### **Section: 16. OTHER INFORMATION**

Sources of key data used to compile the Safety Data Sheet

Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

IARC: (International Agency for Research on Cancer)

US. National Toxicology Program (NTP) Report on Carcinogens

ECHA List of Publishable Substances Registered

EU HPVCs (High Production Volume Chemicals)

**Issuing date** : **04.10.22**  
**version** : **2.0**  
**Prepared by** **Dana-Ridge**

REVISED INFORMATION: Significant changes to regulatory or health information for this revision is indicated by a bar in the left-hand margin of the SDS.

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