

# Material Safety Data Sheet

Product: **AQUAKLEEN™**

Manufacturer:

**AQUA MIX INC.**

13001 SEAL BEACH BLVD.  
SEAL BEACH, CA 90740

Information Phone: 877-278-2311

**24-HR. CHEMICAL EMERGENCIES  
SPILL, LEAK, and FIRE EXPOSURES  
CHEMTREC: 800-424-9300**

## SECTION I – PRODUCT IDENTITY

TRADE NAME: **AQUAKLEEN™**

## SECTION II – HAZARDOUS INGREDIENTS

N-Alkyl (C <sub>12-18</sub> )dimethylbenzylammonium chloride	< 0.125%	Exposure Limits:	OSHA PEL:	CAS#: 68391-01-5
			ACGIH TLV:	None Established
N-Alkyl (C <sub>12-18</sub> )dimethylethylbenzylammonium chloride	< 0.125%	Exposure Limits:	OSHA PEL:	CAS#: 68956-79-6
			ACGIH TLV:	None Established
Ethanol	< 0.1% (See Note: 2)	Exposure Limits:	OSHA PEL:	CAS#: 64-17-5
			ACGIH TLV:	1000 ppm

### Hazard Rating:

TOXICITY – 2      FIRE – 0      REACTIVITY – 0

4 = Extreme 3 = High 2 = Moderate 1 = Slight 0 = Insignificant

\*\* These values are obtained using the guidelines from the National Fire Protection Association or the National Paint and Coating Association

## SECTION III – PHYSICAL & CHEMICAL DATA

Boiling Point:	212°F/100°C	Melting Point:	Unknown
Vapor Pressure (mmHg):	Unknown	Solubility in H <sub>2</sub> O:	Complete
Specific Gravity (H <sub>2</sub> O = 1):	1.00 @ 25°C	Evaporation Rate (Butyl Acetate = 1):	Unknown
pH:	12.4	Vapor Density:	Unknown
Appearance & Odor:	Fresh, clean scent	VOC's:	20 g./liter

## SECTION IV – FIRE & EXPLOSION DATA

Flash Point:	>200°F	Open/Closed:	SETA Flash
Flammable Limits:	LEL: Not Applicable	UEL:	Not Applicable
Fire extinguishing materials:	Alcohol Foam, CO <sub>2</sub> , Dry Chemical and Water fog.		
Special fire fighting procedures:	Wear NIOSH/MSHA approved self-contained breathing apparatus and protective clothing. Use a water spray to cool containers involved in fire.		
Unusual fire & explosion hazards:	Products of combustion are toxic.		

## SECTION V – REACTIVITY DATA

Stability:	Stable
Incompatibility (Materials or conditions to avoid):	Contact with acids or oxidants
Hazardous byproducts of decomposition/combustion:	Thermal decomposition may produce toxic vapors or fumes of hydrogen chloride, amines and other organic materials, and oxides of carbon and nitrogen.
Hazardous polymerization:	Will not occur.

## SECTION VI – HEALTH HAZARD DATA

### Routes of Exposure & Effects

Skin:	Prolonged or repeated contact may cause irritation.
Eye:	Contact may cause tearing or burning.
Ingestion:	Harmful if swallowed, may cause burns to the mouth and esophagus.
Inhalation:	Vapors or mists may irritate the nose or throat.

### Acute & Chronic Overexposure Effects

Acute:	Contact with eyes can cause corneal damage.
Chronic:	Extended exposure can cause dizziness, headaches, nausea and vomiting.
Medical Conditions Generally Aggravated by Exposure:	Existing dermatological conditions.
Toxicity Data	No components listed as carcinogenic with: OSHA, NTP and IARC

## **EMERGENCY & FIRST AID PROCEDURES:**

EYES:	Immediately flush eyes with copious amounts of water, while keeping eyelids apart for maximum irrigation. If irritation persists, seek medical attention.
SKIN:	Wash vigorously with soap and water. If irritation persists seek medical attention. Wash contaminated clothing before re-use.
INHALED:	If headache, dizziness or nausea, relocate to fresh air. If irritation persists seek medical attention.
INGESTION:	<b>DO NOT INDUCE VOMITING!</b> Drink large quantity of milk, egg whites or gelatin. If these are not available, drink large quantities of water. Avoid alcohol. If spontaneous vomiting is inevitable, prevent aspiration by keeping the victim's head below knees. Never give anything by mouth to an unconscious or convulsing person. Seek immediate medical attention.

**SECTION VII – PERSONAL PROTECTION**

**Ventilation & Exhaust:** If used in a manner that generates vapors or mists, provide adequate ventilation.  
**Respiratory Protection:** If used in a manner that generates vapors or mists, wear a NIOSH/MSHA approved high-efficiency respirator rated for mists and dusts.  
**Eye Protection:** Wear chemical goggles or face shield. Wear safety glasses with side shields under normal use conditions.  
**Gloves:** Wear rubber, nitrile, latex or neoprene gloves. Use as necessary to prevent skin contact.  
**Other Clothing or Equipment:** Use aprons or clothing necessary to prevent direct skin contact. Do not allow clothing to become soaked with product. Eye wash station is recommended.  
**Work/Hygienic Practice:** Wash hands after and before eating, drinking, or smoking. Remove contaminated clothing and wash before reuse.

**SECTION VIII – SAFE HANDLING & USE**

**Storage & Handling:** Do not store near acids, oxidizers, alkalis and base metals. Store in cool, dry location. Do not store near consumables. Keep out of reach of children.  
**Spills or leaks:** Dike area to contain material. Area may become slippery. Absorb product onto porous material, such as sand, clay, diatomaceous earth or commercial absorbent material. Place into leak-proof containers. Keep spill out of sewers and open bodies of water.  
**Waste Disposal:** Dispose materials in accordance with all applicable local, state and federal regulations. Do not reuse empty container.  
**Usage:** **It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.** Rinse all surfaces that come in contact with food, such as countertops, appliances, tables and stovetops with potable water before reuse. This product should not be used to clean utensils, glassware and dishes. For sprayer applications, use a coarse non-atomizing spray device. Spray 6 – 8 inches from surface; rub with brush, sponge or cloth. Avoid breathing spray.

**SECTION IX – REGULATORY & SHIPPING**

**Hazardous Materials Descriptions and Proper Shipping Names:**

<b>Hazard Class:</b>	Not Regulated	<b>Proper Shipping Name:</b>	Not Applicable
<b>Packaging Group:</b>	Not Applicable	<b>UN Identification -</b>	Not Applicable
<b>Label Codes -</b>	Not Applicable	<b>Special Provisions -</b>	Not Applicable
<b>Packaging -</b>	<u>Exceptions:</u> N/A	<u>Non-Bulk:</u> N/A	<u>Bulk:</u> N/A
<b>Quantity Limitations -</b>	<u>Passenger:</u> N/A	<u>Cargo:</u> N/A	
<b>Vessel Stowage -</b>	<u>Location:</u> N/A	<u>Other:</u> N/A	
<b>IATA -</b>	Not Applicable		
<b>UK &amp; EC Labeling:</b>	<u>Symbol:</u> Toxic	<u>Haz/Risk Codes:</u> T: R 20/22	<u>Codes:</u> S(2)24/25-29/35-36/37/39-61



**SECTION X – OTHER INFORMATION**

The aforementioned is believed to be correct as of the date hereof; however, no warranty is made, express or implied, regarding the accuracy of this document, since the information contained herein may be applied under conditions beyond our control and under conditions with which we may be unfamiliar. Since data made available subsequent to the date hereof may suggest modification of the information, recipients are advised to determine in advance the suitability of the material for their precise purposes and on the condition that they assume the risk of use thereof.

**Notes (not intended to be all inclusive):**

Note 1: This ingredient subject to the provisions of Section 313 of SARA Title III.  
 Note 2: This ingredient may be subject to the provisions of WHMIS in Canada.

**Abbreviations (if used):**

OSHA Occupational Safety and Health Administration  
 PEL Permissible Exposure Limits  
 STEL Short Term Exposure Limits  
 ACGIH American Conference of Governmental Industrial Hygienists  
 TLV Threshold Limit Value  
 NTP National Toxicology Program  
 IARC Int'l Agency for Research on Cancer Monographs  
 US EPA United States Environmental Protection Agency  
 WHMIS Workplace Hazardous Materials Information System  
 CHIP Chemicals (Hazard Information and Packaging for Supply) – (UK & EC Labeling)  
 ppb Parts Per Billion  
 ppm Parts Per Million

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