

MOMAR

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A.C.N. 003 149 111

Material Safety Data Sheet

QUICK IDENTIFIER (In Plant Common Name)

ULTRA WHITE

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U.N. Number: 1789

Class: 8 Corrosive

Hazchem: ZR

Packaging Group: 11

Poisons Schedule: S6

EPG: 8A2

HAZARDOUS ACCORDING TO CRITERIA OF WORKSAFE AUSTRALIA

SECTION 1 - IDENTITY

Common Name: (used on label) ULTRA WHITE

Chemical Name: Not applicable **Chemical Family:** Liquid quaternary ammonium chloride /acid

Formula: Aqueous mixture - Liquid quaternary ammonium/ hydrochloride acid toilet bowl cleaner

SECTION 2 - HAZARDOUS INGREDIENTS

Principal Hazardous Component(s)	CAS No.	% by Weight	Threshold limit value (units)
1. Hydrochloric Acid	7647-01-0	23	(ACGIH) 5mg/m ³
(LD ₅₀ oral rats = 900 mg/kg, LD ₅₀ dermal rats = not established, LC ₅₀ inhalation rats = 3124 ppm/H)			
2. Alkyl dimethyl benzyl ammonium chloride	8001-54-5	3.04	Not established
(LD ₅₀ oral rats = 129 mg/kg, LD ₅₀ dermal rats = 2520 mg/kg, LC ₅₀ inhalation rats = not established)			

SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS (Fire & Explosion Data)

Boiling Point: 230°F **Specific Gravity:** (H₂O=1) 1.105 **Vapor Pressure:** (mm Hg) Not applicable

Percent Volatile by Volume (%): 30 **Vapor Density (Air = 1):** Not est. **Evaporation Rate (Buac=1):** Slower

Solubility in Water: Complete **Reactivity in Water:** May produce some heat

Appearance and Odour: White opaque liquid - pungent odour **pH Concentrate:** Less than 1

Flash non-Flammable Limits Lower Upper **Extinguisher dry chemical, CO₂, Auto Ignition Point flammable In Air by Volume** Not applicable **Media water spray or foam** **Temperature** N/A

Special Fire Fighting Procedures: Move containers from fire areas if possible. If not, cool containers with water spray. Wear full body covering and self contained breathing apparatus.

Unusual Fire and Explosion Hazards: May produce flammable hydrogen gas when in contact with soft metals such as aluminium and galvanised. Be alert to possible explosive conditions.

SECTION 4 - PHYSICAL HAZARDS

Stability Unstable **Conditions**
 Stable **to Avoid** Very corrosive. Will attack most metals & evolve hydrogen

Incompatibility Strong bases, oxidising agents, acids, aluminium, zinc, iron, brass & some
 (Materials to avoid) organic compounds

Hazardous Hydrogen formed upon contact with soft metals is very flammable.

Decomposition Products Hydrochloric acid fumes are corrosive.

Hazardous **Conditions**
Polymerization: Will Not Occur to Avoid None known

SECTION 5 - HEALTH HAZARDS

Threshold Limit Value 5 mg/m³ (ACGIH-TWA)

Signs & Symptoms of Exposure

- 1. Acute Oversposure:** Causes severe and painful burns on contact to any part of the body. May be fatal if taken internally.
- 2. Chronic Overexposure:** Prolonged or repeated inhalation of fumes may cause irritation and burning of throat, coughing and choking.
- 3. Medical Conditions Generally Aggravated by Exposure:** Pre-existing eye, skin and respiratory disorders.

Chemical Listed as Carcinogen or Potential Carcinogen	National Toxicology Program	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	I.A.R.C. Monographs	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	OSHA	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
OSHA Permissible Exposure Limit	ACGIH Threshold Limit Value	5 mg/m³		Other Exposure Limit Used	None				

EMERGENCY AND FIRST AID PROCEDURES

- 1. Inhalation:** Remove from over exposure to fresh air. Get medical attention.
- 2. Eyes:** Flush immediately with large amounts of water for at least 15 minutes holding lids apart. Get medical attention immediately.
- 3. Skin:** Wash with water. Remove contaminated boots and clothing. Obtain medical attention.
- 4. Ingestion:** Drink 1 - 2 glasses of water to dilute. DO NOT induce vomiting. Get medical attention immediately.

SECTION 6 - SPECIAL PROTECTION INFORMATION

Respiratory Protection
 (Specify Type): Wear NIOSH approved unit respirator if TLV is exceeded.

Ventilation Adequate to keep below TLV	Local Exhaust	Usually Adequate	Mechanical (General) keep below TLV	Special	Other
				NONE	NONE

Protective Gloves Neoprene **Eye Protection** Goggles or safety glasses
Other Protective Clothing or Equipment: Rubber apron and boots as needed.

SECTION 7 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Precautions to be taken in Handling and Storage: Store in glass or plastic containers only. Store in cool dry area away from heat, sparks, open flames, and oxidising agents.
Other Precautions: Keep containers closed when not in use.

KEEP OUT OF REACH OF CHILDREN!

Steps to be taken in case material is Released or Spilled: Neutralise carefully with sodium bicarbonate, lime or sodium carbonate until bubbling no longer occurs. Absorb on mineral clay absorbent material and shovel into containers. Flush residue to sanitary sewer.

Waste Disposal Methods: Dispose of in accordance with Federal, State and local regulations.
