



## HYDROCHEM 603

(Non Oxidizing Biocide for Cooling Tower)

### Material Safety Data Sheet

#### Section 1: Identification

**Product Name** : HYDROCHEM 603  
**Company Name** : Salts and Chemicals Pvt. Ltd.

#### Section 2: Composition and Information on Ingredients

<u>Ingredient</u>	<u>CAS</u>
N-Alkyl Dimethyl benzyl Ammonium Chloride	: 68391-01-5
Water	: 7732-18-5

#### Section 3: Hazards Identification

**Signs & Symptoms of Overexposure** : Eyes: Redness and possible itching.  
Skin: Redness and/or itching of the skin.  
Ingestion: Possible nausea and/or vomiting.  
Inhalation: Effects may include headaches, dizziness, drowsiness, anesthetic and may have other central nervous system effects.

#### Section 4: First Aid Measures

**Eye Contact** : Hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes. Seek immediate medical attention, preferably with an ophthalmologist.

**Skin Contact** : In case of contact, immediately wash with plenty of soap and water for at least 15 minutes. Seek medical attention. Remove contaminated clothing and shoes while washing.

**Inhalation** : Remove victim from immediate source of exposure and assure that the victim is breathing. If breathing is difficult, administer oxygen, if available. Seek medical attention.

**Ingestion** : If victim is conscious and alert, give 2-3 glasses of water to drink and do not induce vomiting. Material may enter lungs and cause severe damage. Do not give anything by mouth to an unconscious victim. Seek immediate medical attention.

#### Section 5: Fire and Explosion Data

**Flammability of the Product** : Not Flammable.  
**Hazardous Combustion Product** : Not known.  
**Fire Fighting Media and Instructions** : Use extinguishing method suitable for surrounding fire.

#### Section 6: Accidental Release Measures

**Small Spill** : Clean up the spills immediately wearing the appropriate equipment, move the leaking container to a containment area. Absorb or cover with dry earth, sand or other non-combustible material and shovel up and dispose of at an appropriate waste disposal facility according the current applicable laws and regulations and product characteristics at time of disposal.

**Large Spill** : Clean up the material immediately wearing the appropriate equipment.

#### Section 7: Handling and Storage

**Precautions** : Use appropriate personal protective equipment. Handle in a well-ventilated area. Handle and use in a manner consistent with good industrial/manufacturing Techniques and practices.

**Storage** : Keep the container tightly closed in cool, well-ventilated place. Do not handle or store near an open flame, heat or other source of ignition.

#### Section 8: Exposure Controls/Personal Protection

**Engineering Controls** : Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate Ventilation to keep airborne concentrations low.



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**Personal Protection** : Eyes and face: Wear safety glasses with side shields or goggles when handling this material. Skin: To prevent any contact, wear impervious protective clothing such as neoprene or butyl rubber gloves, apron, and boots or whole bodysuit, as appropriate. Respiratory: Generally not required. If necessary use self-contained breathing apparatus (SCBA).

### Section 9: Physical and Chemical Properties

**Physical State** : Liquid.  
**Color** : Clear Colorless.  
**Specific Gravity @ 25°C** : 0.95 – 1.00  
**pH** : 6.0 – 7.0

### Section 10: Stability and Reactivity Data

**Stability** : Stable under normal handling conditions.  
**Conditions to avoid** : Not available.  
**Hazardous decomposition products** : Oxides of carbon.  
**Incompatible Material** : Oxidizing agents, alkali.  
**Hazardous Polymerization** : Will not occur.

### Section 11: Toxicological Information

**Routes of Entry** : Dermal contact. Eye contact. Inhalation. Ingestion.  
**Toxicity to Animals** : Oral Rat LD50 – > 7060 mg / KG

### Section 12: Ecological Information

**Ecotoxicity Data** : Not available.  
**Products of Biodegradation** : No data available.

### Section 13: Disposal Considerations

**Waste Disposal** : Dispose of in accordance with all Government and Local regulations.

### Section 14: Transport Information

**Hazardous Classification** : End product does not have any hazardous property.  
**Packing Group** : Not applicable.

### Section 15: Other Regulatory Information

**HMIS (U.S.A.)** : Health Hazard:0  
Fire Hazard:0  
Reactivity:0  
**Protective Equipment** : Gloves. Full suit. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Face shield.

### Section 16: Other Information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**Other Special Considerations:** Not available.

*The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall salts and chemicals pvt. Ltd. be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if salts and chemicals pvt. Ltd has been advised of the possibility of such damages.*