

# CW 699

## Hypochlorite ion based disinfectant

# MATERIAL SAFETY DATA SHEET

### SECTION I - CHEMICAL PRODUCT

**PRODUCT NAME:** CW 699

**GENERAL USE :** multipurpose disinfectant

**Hazard Rating:**3

Health: 3  
Flammability: 0  
Reactivity: 2

4=EXTREME  
3=HIGH  
2=MODERATE  
1=SLIGHT  
0=NOT SIGNIFICAN

**ARABIAN COMPANY FOR DETERGENT TELEPHONE NUMBER: 03/5221989**

### SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS NO
Sodium hypochlorite	7681-52-9
troclosene sodium ( as source of hypochlorite )	2893-78-9

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### SECTION III - HAZARDS IDENTIFICATION

<b>INGESTION</b>	Can be harmful.
<b>EYE CONTACT</b>	Corrosive to the eyes with possible permanent damage depending on the length of exposure and on the first
<b>SKIN CONTACT</b>	Corrosive to the skin with possible permanent damage depending on the length of exposure and on the first
<b>INHALATION</b>	Harmful if inhaled.

### SECTION IV - FIRST AID INFORMATION

<b>INGESTION</b>	Drink large quantities of milk or gelatin solution, or if these are not available, drink large quantities of water. Do not give vinegar or other acids. Do not induce vomiting. Call a physician at once. Never give anything by mouth to an unconscious person.
<b>EYE CONTACT</b>	Immediately flush for at least 15 minutes while holding eyelids open. Call a physician at once.
<b>SKIN CONTACT</b>	Immediately wash with soap and plenty of water. Remove contaminated clothing and wash before reuse. Get medical attention if irritation persists.

### SECTION V - FIRE FIGHTING INFORMATION

**UNUSUAL FIRE AND EXPLOSION HAZARD:** Contact with reactive metals (eg. aluminum) may result in the generation of flammable hydrogen gas.

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### SECTION VI - ACCIDENTAL RELEASE MEASURES

#### **SPILL CONTROL AND RECOVERY:**

Small liquid spills: Contain with inorganic absorbent material, such as clay or soil. Shovel reclaimed liquid and absorbent into recovery or salvage drums for disposal. Refer to CERCLA in Section 15. Large liquid spills: Dike to prevent further movement and reclaim into recovery or salvage drums or tank truck for disposal. Refer to CERCLA in Section 15. For large indoor spills, evacuate employees and ventilate area. Those responsible for control and recovery should wear the protective equipment. This product, as all halogen sources (i.e. bleach, gaseous chlorine, etc.), is toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or public waters unless this product is specifically identified and addressed in an NPDES permit. For guidance, contact your State Water Board or Regional Office of the EPA. Apply this product only as specified on the label.

### SECTION VII - HANDLING AND STORAGE

**Storage** : Keep container closed when not in use.

### SECTION VIII - EXPOSURE CONTROLS, PERSONAL PROTECTION

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**RESPIRATORY PROTECTION:** If it is possible to generate significant levels of vapors or mists, a NIOSH approved or equivalent respirator is recommended. For large spills, entry into large tanks, vessels or enclosed small spaces with inadequate ventilation, a positive pressure, self-contained breathing apparatus is recommended.

**VENTILATION:** General ventilation is recommended.

**PROTECTIVE EQUIPMENT:** Wear gloves, boots, apron and a face shield with chemical splash goggles. A full slicker suit is recommended if gross exposure is possible. The availability of an eye wash fountain and safety shower is recommended. If clothing is contaminated, remove clothing and thoroughly wash the affected area. Launder contaminated clothing before reuse.

**HUMAN EXPOSURE CHARACTERIZATION:** Based on Nalco's recommended product application and our recommended personal protective equipment, the potential human exposure is: LOW.

### SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

**COLOR:** Clear, to very slightly hazy yellow to amber

**FORM:** Liquid

**DENSITY:** 11.0-11.3 lbs/gal.

**SOLUBILITY IN WATER:** Completely

**SPECIFIC GRAVITY:** 1.32-1.36 @ 77 Degrees F ASTM D-1298

**pH :** slightly acidic

**FREEZE POINT:** 17 Degrees F

**FLASH POINT:** None

**VAPOR PRESSURE:** 7.7 mm Hg @ 77 Degrees F, 115 mm Hg @ 115 Degrees F

**VOLATILE ORGANIC COMPOUND (VOC):** None (100% inorganic)

### SECTION X - STABILITY AND REACTIVITY

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**INCOMPATIBILITY:** Avoid contact with strong acids (eg. sulfuric, phosphoric, nitric, hydrochloric, chromic, sulfonic) which can generate heat, splattering or boiling and the release of chlorine gas and toxic fumes. Avoid contact with organic materials (eg. rags, sawdust, hydrocarbon oils or solvents) and avoid reducing agents (eg. hydrazine, sulfites, sulfides, aluminum or magnesium dust) which can generate heat, fires, explosions and the release of toxic fumes. Do not mix with any other sodium hypochlorite or any bleach product in a bulk tank or a mix tank. Such a mixture will result in a violent exothermic reaction releasing large amounts of nitrogen gas and liquid sulfuric acid.

**FEEDING EQUIPMENT:** Avoid aluminum, brass, nickel pump parts, or feeding equipment.

Bromine = TWA 0.1 ppm, STEL 0.2 ppm ACGIH/TLV

0.60 mg/m<sup>3</sup>, 1.3 mg/m<sup>3</sup> ~ ACGIH/TLV

Bromine = TWA 0.1 ppm,

0.7 mg/m<sup>3</sup> OSHA/PEL

**THERMAL DECOMPOSITION PRODUCTS:** In the event of combustion NO<sub>x</sub>, and chlorine, bromine may be formed. Do not breathe smoke or fumes. Wear suitable protective equipment.

### SECTION XI - TOXICOLOGICAL INFORMATION

**TOXICITY STUDIES:** Toxicity studies have not been conducted on this product, but studies have been conducted on a similar product. The results are shown below.

**ACUTE ORAL TOXICITY (ALBINO RATS):** LD<sub>50</sub> = Less than 5 g/kg

PRIMARY SKIN IRRITATION TEST (ALBINO RABBITS):

**SKIN IRRITATION INDEX DRAIZE RATING:** 7.9/8.0

**COMMENTS:** Corrosive to skin.

PRIMARY EYE IRRITATION TEST (ALBINO RABBITS):

COMMENTS: Corrosive to eyes.

**HUMAN HAZARD CHARACTERIZATION:** Based on our hazard characterization, the potential human hazard is: HIGH.

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### SECTION XIII - DISPOSAL CONSIDERATIONS

**DISPOSAL:** If this product becomes a waste, it meets the criteria of a hazardous waste as defined under the Resources Conservation and Recovery Act (RCRA) 40 CFR 261. Hazardous Waste D002. As a hazardous liquid waste, it must be solidified with stabilizing agents (such as sand, fly ash, or cement) so that no free liquid remains before disposal to a licensed industrial waste landfill (Hazardous Waste Treatment, Storage, and Disposal facility). A hazardous liquid waste can also be deep-wel injected in accordance with local, state, and federal regulations.

### SECTION XIV - RISK CHARACTERIZATION

Due to our commitment to Product Stewardship, we have evaluated the human and environmental hazards and exposures of this product. Based on our recommended use of this product, we have characterized the product's general risk. This information should provide assistance for your own risk management practices. We have evaluated our product's risk as follows:

- \* The human risk is: LOW.
- \* The environmental risk is: MODERATE.