

# MATERIAL SAFETY DATA SHEET

PRODUCT NAME: **TWT-1512**

MANUFACTURER'S NAME: TEXAS WATER TECHNOLOGY LLC

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DATE PREPARED 10/06/11

## HAZARDOUS INGREDIENTS IDENTITY INFORMATION

Hazardous Components	CAS No	OSHA PEL	ACGH TLV	Other limits	%
Sodium Hypochlorite	7681-529		0.5ppm (as chlorine)		12.5

SARA Title III sec.302 and sec.313: Not listed

Proposition 65: Not listed

Sodium hydroxide	1310-73-2		No data found		1.0
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SARA Title III sec.302 and sec.313: Not listed

Proposition 65: Not listed

## PHYSICAL CHEMICAL CHARACTERISTICS

Boiling Point : 230 °F (with liberation of hazardous gases)

Vapor pressure : No information found

Vapor Density : No information found

Solubility in Water : Complete

Specific Gravity : 1.19 at 20 °C

Percent Volatile by volume (%) : 74.5

Melting Point :

Evaporation Rate : No information found

Reactivity in water : None

pH @ 77 °F.: (1% solution) : 11.9

Appearance and Odor : Straw yellow liquid with characteristic odor of bleach

## FIRE AND EXPLOSION HAZARD DATA

Flash Point : No information available

Flammable limits : No information available

Auto Ignition Temperature : NA

Extinguishing Media : Does not burn

Special Firefighting Procedures : NA

Unusual Fire and Explosion Hazards : Decomposes at 230 °F with liberation of hazardous gases

\* *NA = Not Applicable*

### HEALTH HAZARD DATA

Routes of Entry : Inhalation : Eyes : Skin : Ingestion :

Signs and Symptoms of Exposure : Irritating to skin, eyes and mucous membranes.

Medical Conditions Generally Aggravated by Exposure : NA

### EMERGENCY & FIRST AID PROCEDURES

**CAUTION !!** May cause severe skin irritation or chemical burns to broken skin

SKIN: Wash with plenty of soap and water. Obtain medical attention.

EYES: Flush with water for at least 15 minutes. Obtain medical attention

INHALATION: Avoid breathing vapors. Obtain medical attention.

INGESTION: Drink large quantities of water. Do not induce vomiting, call a physician or poison control center immediately

### TOXICITY DATA

Carcinogenicity : NA

NTP ? : IARC monographs ? : OSHA Regulated ? :

### REACTIVITY DATA

Stability : Stable

Conditions to avoid : Exposure to heat and light will accelerate decomposition. Mixing with other chemicals and consumer products may cause chemical reaction with liberation of hazardous gases.

Incompatibility (Materials to Avoid) : Pesticides, heavy metals, acids, ammonia, human waste, paints, kerosene, gasoline etc... and similar compounds.

Hazardous Decomposition or Byproducts : Toxic gases generated when heated to decomposition or when reacted with other compounds.

Hazardous Polymerization : Will not occur

Conditions to avoid : NA

### PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken in Case Material is Released or Spilled : Flood with large quantities of water.

Waste Disposal Method : Product or rinsates that cannot be used should be diluted with water before disposal in a sanitary sewer. If container is a "deposit paid" container, return it to your supplier. If container is a "no deposit" container, do not reuse container but place in trash collection.

Precautions to Be Taken in Handling and Storing : Store this product in a cool, dry area away from direct sunlight and heat to avoid deterioration. Do not contaminate food or feed by storage, disposal or cleaning of equipment.

Other Precautions: Keep out of reach of children.

### **CONTROL MEASURES**

Respiratory protection (Specify type) : None required

Ventilation :

Local Exhaust : Sufficient to eliminate fumes

Mechanical : NA

Protective gloves : Rubber

Eye Protection : Chemical safety goggles or face shield.

Other Protective Clothing or Equipment : Clothing impermeable to sodium hypochlorite. Rubber footwear.

Work Hygienic Practices : NA

### **DOT HAZARDOUS INFORMATION**

UN/NA : UN 1791

Classification : Corrosive

Proper Shipping Name : Hypochlorite Solutions, 8, UN 1791, PG III, Corrosive

HMIS HEALTH RATING: 0-INSIGNIFICANT 1-SLIGHT, 2-MODERATE, 3-HIGH, 4-EXTREME

HMIS RATING FOR THIS PRODUCT:

TOXICITY : 2	FIRE : 0	REACTIVITY : 1
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### **NOTICE**

All information, recommendations, and suggestions appearing herein concerning this product are based upon data obtained from the manufacturer and/or recognized technical sources; however, TEXAS WATER TECHNOLOGY makes no warranty, representation or guaranty as to the accuracy, sufficiency or completeness of the material set forth herein. It is the user's responsibility to determine the safety, toxicity and suitability of his own use, handling and disposal of the product. Additional product literature may be available upon request. Since actual use by others is beyond our control, no warranty, express or implied is may by TEXAS WATER TECHNOLOGY as to the effects of such use, the results to be obtained or the safety and toxicity of the product nor does TEXAS WATER TECHNOLOGY assume any liability arising out of use by others of this product.