

# Material Safety Data Sheet

## TWT-1540

### SECTION I, SUPPLIER INFORMATION

#### PRODUCT: TWT-1540

Texas Water Technologies  
P.O. Box 201305  
Arlington, Texas 76006  
817-467-4574

#### HMIS Ratings:

Health:	1
Fire:	0
Reactivity:	0

### SECTION II, HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENTS -	(CAS NUMBER)	EXPOSURE LIMITS
Sodium Bromide	(7647-15-6)	N/A

### SECTION III, Physical/Chemical Characteristics

BOILING POINT, 212-234 Degrees F.

MELTING POINT, NA

SPECIFIC GRAVITY (H<sub>2</sub>O = 1), 1.41 @70°F

VAPOR PRESSURE, 17.5 mmHg @68°F

VAPOR DENSITY (AIR =1), >1.0

EVAPORATION RATE (BUAC = 1), >1

SOLUBILITY IN WATER, Miscible

APPEARANCE AND ODOR: Clear liquid; little or no odor.

### SECTION IV, FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD), NA

FLAMMABLE LIMITS: LOWER, ND

UPPER, ND

EXTINGUISHING MEDIA, Use extinguishing media appropriate for surrounding conditions.

SPECIAL FIRE FIGHTING PROCEDURES, Approach fire from upwind side. Avoid breathing smoke, fumes, mist or vapors on the downwind side. Fire fighters wear protective clothing, and self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS, Fire fighters wear protective clothing, and self-contained breathing apparatus.

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### SECTION V, Reactivity Information

STABILITY: PRODUCT IS; Stable

INCOMPATIBILITY: ND

MATERIALS TO AVOID: Strong acids and strong oxidizing agents; corrosive to aluminum.

CONDITIONS TO AVOID, Extremely high heat.

HAZARDOUS THERMAL DECOMPOSITION OR BY-PRODUCTS: Includes bromine.

HAZARDOUS POLYMERIZATION: Will not occur.

### SECTION VI, HEALTH HAZARD DATA

#### ROUTES OF ENTRY

INHALATION? Unlikely - Irritant

SKIN? Unlikely - Irritant

EYES? Expected - Irritant

INGESTION? Unlikely - Irritant

SKIN ABSORPTION? Unlikely - Irritant

#### HEALTH HAZARDS

ACUTE: Irritating to skin, eyes, and mucous membranes. Repeated or prolonged skin contact may cause irritation and superficial burns.

CHRONIC: No data available on chronic health effects.

#### CARCINOGENICITY

LISTED IN: NTP? No

IARC Monographs? No

OSHA Regulated? Table Z1

SIGNS AND SYMPTOMS OF EXPOSURE: Irritation and burning sensation followed by destruction of skin or eye tissue.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Breathing disorders, dermatitis.

#### FIRST AID PROCEDURES

EYE CONTACT: Flush eyes with water 15 minutes. Get medical attention.

SKIN CONTACT: Flush with water or soap and water for 15 minutes or until all traces have been removed. Get medical attention if symptoms develop and persist.

INGESTION: Do not induce vomiting. Give two glasses of water. Get immediate medical attention.

INHALATION: Remove victim to fresh air.

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### SECTION VII, PRECAUTIONS FOR SAFE HANDLING AND USE

SPILL OR LEAK PROCEDURES: Emergency response coordinator must have mandated training. Eliminate all ignition sources. SMALL SPILLS: Pick up with absorbent materials and place in non-leaking containers; seal tightly for proper disposal or reuse. LARGE SPILLS: Evacuate the hazard area of unprotected personnel. Wear appropriate respirator and protective clothing. Shut off source of leak if safe to do so. Dike and contain. Remove with vacuum trucks or pump to storage/salvage vessels.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Store away from strong acids and oxidizers.

OTHER PRECAUTIONS: Clean up leaks immediately to prevent soil or water contamination.

### SECTION VIII, CONTROL MEASURES

RESPIRATORY PROTECTION: Not normally needed, under normal conditions of use. If TLV is met or exceeded, use NIOSH Approved respirator.

VENTILATION:	LOCAL EXHAUST: recommended	Special, Not necessary
	MECHANICAL: recommended	Other, Not necessary

PROTECTIVE GLOVES: Chemical resistant gauntlet type gloves.

EYE PROTECTION: Chemical goggles or face shield.

OTHER PROTECTIVE EQUIPMENT: Boots, aprons, drench showers, eye wash as needed for protection against spills and/or splashes.

WORK HYGIENIC PRACTICES: Avoid contact with skin, eyes and work clothing. After handling this product, wash hands before eating, drinking or smoking. If contact occurs, remove contaminated clothing. If needed, take first aid action shown in section IV. Launder contaminated clothing before reuse.

### SECTION IX, TRANSPORTATION INFORMATION

Not regulated for transportation.

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### SECTION X, Other Data

EPA REGISTRATION NUMBER, 1448-345-066552

EPA Hazards,	1-Acute YES	2-Chronic NO	3-Flammability NO
	4-Sudden Release of Pressure NO		5-Reactive NO

CERCLA RQ none

SARA Title III

Section 313, Toxic Materials:

Chemicals:	CAS Number:	Weight %
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CLEAN AIR ACT: Yes

CLEAN WATER ACT: Yes

Footnotes:

NA - Not Applicable

CS - Cancer Suspect Agent

COR - Corrosive

TLV - Threshold Limit Value

TWA - Time Weighted Average, 8 Hours

ND - Data Not Available

OX - Oxidizer

STEL - Short Time Exposure Limit

PEL - Permissible Exposure Limit

HMIS, PPI - Hazardous Material  
Identification System, Personal  
Protection Index

The data presented is true and correct to the best of our knowledge and belief, however, neither seller nor preparer makes any warranties, expressed or implied, concerning the information presented. The user is cautioned to perform his own evaluation and rely upon his own determination.

Form essentially the same as OSHA Form 174 Dated September 1985

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