

# MATERIAL SAFETY DATA SHEET

**Date-Issued:** 04/22/2009  
**MSDS Ref. No:** TWT5606  
**Date-Revised:** 04/22/2009  
**Revision No:** 1

**TWT-5606**

## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** TWT-5606  
**PRODUCT DESCRIPTION:** Oxygen Scavenger  
**MANUFACTURER**  
 Texas Water Technologies  
 PO Box 76006  
 Arlington, TX 76006  
**Product Stewardship:** 817-467-4574

## 24 HR. EMERGENCY TELEPHONE NUMBERS

ChemTel: 800-255-3924

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

| <u>Chemical Name</u> | <u>Wt.%</u> | <u>CAS#</u> | <u>EINECS#</u> |
|----------------------|-------------|-------------|----------------|
| Sodium sulfite       | ~11         | 7757-83-7   |                |
| Sodium bisulfite     | ~4          | 7631-90-5   |                |

## 3. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

**IMMEDIATE CONCERNS:** Harmful if swallowed. May cause allergic reaction. May cause eye, skin, and respiratory irritation.

### POTENTIAL HEALTH EFFECTS

**EYES:** May be irritating or corrosive to eyes.

**SKIN:** Can cause irritation, reddening of skin and skin damage.

**SKIN ABSORPTION:** None Expected.

**INGESTION:** May be harmful if swallowed. Allergic reaction may occur.

**INHALATION:** Mists may be irritating.

**CARCINOGENICITY:** No ingredients contained in this product are listed as human carcinogens.

## 4. FIRST AID MEASURES

**EYES:** Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.

**SKIN:** Wash with soap and water. Get medical attention if irritation develops or persists.

**INGESTION:** If swallowed, induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

**INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

## 5. FIRE FIGHTING MEASURES

**FLAMMABLE CLASS:** Non-flammable

**EXTINGUISHING MEDIA:** Extinguish using agent suitable for surrounding area

**FIRE FIGHTING PROCEDURES:** Use any means suitable for extinguishing the surrounding fire. Use water spray to blanket the fire, cool exposed containers, and to flush non-ignited spills or vapors away from the fire.

**FIRE FIGHTING EQUIPMENT:** Full protective equipment including self-contained breathing apparatus should be used. Water may

be used to cool and protect containers from excessive heat.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Irritating and or toxic gases. Corrosive vapors.

## 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Dike and contain spill. Wear appropriate PPE. If possible, recover product for reuse. Absorb remaining product using clay or commercially available absorbant. Dispose of in accordance with local state and federal regulations.

**LARGE SPILL:** Dike or contain spill. Spilled material can be absorbed or pumped and placed into a suitable container. Spilled material can be used if not contaminated or offered for disposal according to federal, state, and local regulations.

## 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** Store in cool dry location away from direct sunlight.

**HANDLING:** Wash hands after handling containers or feed equipment.

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

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**EXPOSURE GUIDELINES:**

**OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)**

|                  | TWA | <u>EXPOSURE LIMITS</u> |                         |                  |                         |                     |                         |
|------------------|-----|------------------------|-------------------------|------------------|-------------------------|---------------------|-------------------------|
|                  |     | <u>OSHA PEL</u>        |                         | <u>ACGIH TLV</u> |                         | <u>Supplier OEL</u> |                         |
|                  |     | <u>ppm</u>             | <u>mg/m<sup>3</sup></u> | <u>ppm</u>       | <u>mg/m<sup>3</sup></u> | <u>ppm</u>          | <u>mg/m<sup>3</sup></u> |
| Sodium bisulfite | 5   |                        |                         | 5                |                         |                     |                         |

**ENGINEERING CONTROLS:** No special ventilation requirements.

**PERSONAL PROTECTIVE EQUIPMENT**

**EYES AND FACE:** Wear safety glasses with side shields or goggles.

**SKIN:** Wear chemical resistant gloves where contact is likely.

**WORK HYGIENIC PRACTICES:** Wash hands after handling the product. Avoid contact with eyes. If product residues are present on skin or clothing, remove and wash clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Liquid

**ODOR:** Slight sulfur

**APPEARANCE:** Clear, colorless to yellow liquid.

**pH:** 6.75 to 8.0

**SOLUBILITY IN WATER:** Soluble

**DENSITY:** ~9.4 Lbs

**SPECIFIC GRAVITY:** ~1.11 to 1.14 g/mL

**COMMENTS:**

**WATER SOLUBILITY:** Product may crystallize at low temperatures and require warming and mixing to resolubilize.

## 10. STABILITY AND REACTIVITY

**STABLE:** YES

**HAZARDOUS POLYMERIZATION:** NO

**CONDITIONS TO AVOID:** Excessive heat and freezing conditions.

**STABILITY:** Stable under normal conditions of use and storage.

**POLYMERIZATION:** Will not occur.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Sulfur dioxide. Sulfur oxides.

**INCOMPATIBLE MATERIALS:** Strong oxidizers and acids.

## 11. TOXICOLOGICAL INFORMATION

**EYE EFFECTS:** Irritant.

**SKIN EFFECTS:** Irritant.

**CARCINOGENICITY:**

**IARC:** Not listed

**NTP:** Not listed

**OSHA:** Not listed

## 12. ECOLOGICAL INFORMATION

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Dispose of in accordance with local, state, and federal regulations.

## 14. TRANSPORT INFORMATION

**DOT (DEPARTMENT OF TRANSPORTATION)**

**PROPER SHIPPING NAME:** Not regulated

## 15. REGULATORY INFORMATION

**UNITED STATES**

**SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)**

**311/312 HAZARD CATEGORIES:**

**FIRE:** NO **PRESSURE GENERATING:** NO **REACTIVITY:** NO **ACUTE:** YES **CHRONIC:** NO

**TSCA (TOXIC SUBSTANCE CONTROL ACT)**

**TSCA REGULATORY:** All components of this product are listed.

**RCRA STATUS:** Not a hazardous waste.

**FDA (FOOD AND DRUG ADMINISTRATION):** All components listed in 21 CFR 173.310 for use in steam that may contact food.

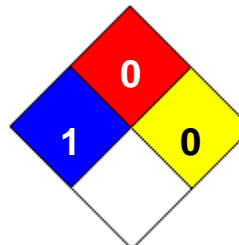
## 16. OTHER INFORMATION

**REVISION SUMMARY** Revision #: 1 This MSDS replaces the April 22, 2009 MSDS. Any changes in information are as follows: In Section 9 (pH) (From) (pH) (To) In Section 14 DOT Proper Shipping Name DOT Technical Name DOT Primary Hazard Class/Division DOT UN/NA Number DOT Packing Group Reportable Quantity DOT Emergency Response Guide DOT\_RQ\_UNT Not Found In Section 15 Reportable Spill Quantity RCRA Status FDA In Section 16 HMIS Health HMIS Protection NFPA Health

### HMIS RATING

|                             |  |          |
|-----------------------------|--|----------|
| <b>HEALTH:</b>              |  | <b>1</b> |
| <b>FLAMMABILITY:</b>        |  | <b>0</b> |
| <b>PHYSICAL HAZARD:</b>     |  | <b>0</b> |
| <b>PERSONAL PROTECTION:</b> |  | <b>B</b> |

### NFPA CODES



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