

MATERIAL SAFETY DATA SHEET

Date-Issued: 01/27/2006
MSDS Ref. No: TWT 5436
Date-Revised: 01/27/2006
Revision No: New MSDS

TWT 5436

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: TWT 5436
PRODUCT DESCRIPTION: Corrosion Inhibitor
MANUFACTURER

Texas Water Technologies

PO Box 76006

Arlington, TX 76006

Product Stewardship: 817-467-4574

2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>Wt.%</u>	<u>CAS#</u>	<u>EINECS#</u>
Sodium Nitrite	>30	7632-00-0	
Sodium Metaborate	>10	10555-76-7	
Sodium hydroxide	<2	1310-73-2	215-185-5
Proprietary Blend	<60		

COMMENTS: The remaining components are comprised of proprietary non-hazardous ingredients.

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Clear, colorless to yellow liquid.

IMMEDIATE CONCERNS: Irritating to eyes and skin

POTENTIAL HEALTH EFFECTS

EYES: Irritating

SKIN: May cause irritation

INGESTION: Harmful or fatal if swallowed.

4. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.

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

INGESTION: If swallowed, give two glasses of water and induce vomiting. Never give fluids to an unconscious person.

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: Not Flammable

AUTOIGNITION TEMPERATURE: Not Applicable

EXTINGUISHING MEDIA: Extinguish using agent suitable for surrounding area

FIRE FIGHTING PROCEDURES: Full protective equipment including self-contained breathing apparatus should be used. Water may be used to cool and protect containers from excessive heat.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: After removal, flush contaminated area thoroughly with water.

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: Use proper PPE. Keep containers tightly closed when not in use.

HANDLING: Wash hands after handling containers or feed equipment.

STORAGE TEMPERATURE: (45°F) minimum to (110°F) maximum

COMMENTS: Keep from freezing.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES:

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

		<u>EXPOSURE LIMITS</u>					
		<u>OSHA PEL</u>		<u>ACGIH TLV</u>		<u>Supplier OEL</u>	
		<u>ppm</u>	<u>mg/m³</u>	<u>ppm</u>	<u>mg/m³</u>	<u>ppm</u>	<u>mg/m³</u>
Sodium Nitrite	TWA	15 ^[1]					
Sodium Metaborate	TWA	15	15	10	10		
Sodium hydroxide	TWA	2	2	2 ^[2]	2	NL	NL
	STEL	NL		NL		NL	NL

OSHA TABLE COMMENTS:

1. Total dust
2. Ceiling

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.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Characteristic azole.

APPEARANCE: Clear, colorless to yellow liquid.

pH: ~13

VAPOR PRESSURE: Not Determined

BOILING POINT: > (212°F)

FREEZING POINT: ~ (32°F)

DENSITY: ~10.89

SPECIFIC GRAVITY: ~1.31

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.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of nitrogen.

INCOMPATIBLE MATERIALS: Strong oxidizers and acids.

11. TOXICOLOGICAL INFORMATION

ACUTE

This product is not intended for ingestion. Ingestion may cause irritation or corrosion of the esophagus and gastrointestinal symptoms. This product contains sodium nitrite and ingestion may result in methemoglobinemia.

EYE EFFECTS: Irritant.

SKIN EFFECTS: Irritant.

SENSITIZATION: None Expected.

COMMENTS: None of the components are listed by IARC, NTP, OSHA, or ACGIH as a carcinogen.

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: Corrosive Liquid, N.O.S.

PRIMARY HAZARD CLASS/DIVISION: 8

UN/NA NUMBER: 1760

PACKING GROUP: III

REPORTABLE QUANTITY (RQ) UNDER CERCLA: 333 Lbs.

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:** YES

313 REPORTABLE INGREDIENTS: Not Applicable

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

REPORTABLE SPILL QUANTITY: 333

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA REGULATORY: All components of this product are listed.

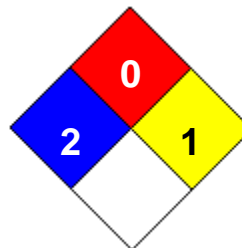
16. OTHER INFORMATION

REVISION SUMMARY New MSDS

HMIS RATING

HEALTH:		2
FLAMMABILITY:		0
PHYSICAL HAZARD:		1
PERSONAL PROTECTION:		B

NFPA CODES



MANUFACTURER DISCLAIMER:

The data presented is true and correct to the best of our knowledge and belief at the time of preparation, however, neither seller nor preparer make any warranties, expressed or implied, concerning the information presented. The user is cautioned to perform their own evaluation and determination regarding the use of this product.