



1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: WT-9X01

Description: Metal Reducing Agent
Suggested Use: Waste Water Treatment
Restrictions on Use: Do not mix with other industrial chemicals.

Supplier: Advanced Chemical Technology, Inc.
8728 Utica Avenue
Rancho Cucamonga, CA 91730

Telephone: 1-909-980-4556 or 1-800-527-9607
Fax: 1-909-980-9366

Emergency Phone: 1-800-255-3924 (CHEMTEL)

2. HAZARDS IDENTIFICATION

Classification

GHS Classification: Serious Eye Irritation (Category 2A)
Causes Skin Irritation (Category 2)

GHS Label Elements

Pictogram:



Signal Word: Warning

Hazard Statements: H315: Causes skin irritation
H319: Causes serious eye irritation
H402: Harmful to aquatic life

Precautionary Statements: P264: Wash hands thoroughly after handling.
P 273: Avoid release to the environment.
P280: Wear protective gloves/ protective clothing/ eye protection.
P302+P352: IF ON SKIN: Wash with plenty of soap and water. Repeat washing.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313: If eye irritation persists: Get medical attention/advice.
P332+P313: If skin irritation occurs: Get medical advice/attention.
P362+P364: Take off contaminated clothing and wash it before reuse.
P501 - Dispose of contents/container to comply with local, state and federal regulations.

HMIS Classification: Health Hazard: 1
Flammability: 0
Physical Hazards: 0



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NFPA Rating: Health Hazard: 1
 Fire: 0
 Reactivity Hazard: 0

Potential Health Effects

Inhalation: May cause irritation of mucous membranes and the lungs. Exposed individuals should be monitored for respiratory distress, bronchitis, or pneumonia.

Skin: Irritant. Effects may vary depending on length of exposure, solution concentration, and first aid measures.

Eyes: Irritant. Effects may vary depending on length of exposure, solution concentration, and first aid measures

Ingestion: May cause gastrointestinal irritation. Ingestion is not expected to be a primary route of exposure.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS Number</u>	<u>Concentration</u>
Proprietary Blend	Not Applicable	Not Applicable

Synonyms:

4. FIRST AID MEASURES

If Inhaled: If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

Skin Contact: Take off contaminated clothing and shoes immediately. Flush skin with plenty of soap and water for at least fifteen minutes.

Eye Contact: Flush eyes with plenty of water and/or saline for at least 15 minutes and consult a physician. Remove contact lenses if able to do so.

If Ingested: Do NOT induce vomiting unless instructed to do so by a physician. Never give anything by mouth to an unconscious person. Rinse mouth with water. Dilute stomach contents with 1 to 2 glasses of water or milk. Consult a physician.

5. FIREFIGHTING MEASURES

Flammability Overview: May form flammable by-products on contact with strong acids and/or extreme heat.

Flash Point: Not Applicable

Extinguishing Media: Use water-spray, alcohol-resistant foam, dry chemical, or carbon dioxide. Tailor extinguishing media to surrounding fire.

Special Protective Equipment for Firefighters: Wear a self-contained breathing apparatus (SCBA) for firefighting if necessary.

Hazardous Combustion Products: Thermal degradation may generate vapors of hydrogen sulfide. Contact with fire or strong oxidants may generate oxides of sulfur, nitrogen, and carbon

6. ACCIDENTAL RELEASE MEASURES



- Personal Precautions: Use personal protective equipment. Avoid breathing vapors, mist, or gas. Always ensure adequate ventilation. Evacuate personnel to safe areas.
- Environmental Precautions: Prevent further leakage or spillage if safe to do so. Prevent from entering drains and waterways. Discharge into the environment must be avoided.
- Containment and Clean Up: Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal. If assistance is needed call CHEMTEL or emergency services.

7. HANDLING AND STORAGE

- Safe Handling: Use personal protective equipment. Avoid breathing vapors, mist, or gas. Always ensure adequate ventilation.
- Safe Storage: Keep containers tightly closed in a dry well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store away from incompatible materials.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits

Component	CAS Number	Exposure Limit	Basis
Proprietary Blend	Not Applicable	Not Established	ACGIH TLV
		Not Established	OSHA PEL

Personal Protective Equipment

- Eye Protection: Wear tightly fitting safety goggles or safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH. Have eye-wash stations available where eye contact can occur.
- Hand Protection: Handle with chemical-resistant gloves. Gloves must be inspected prior to use. Dispose of contaminated gloves. Wash and dry hands after use.
- Skin Protection: Protect skin by wearing pants, close toe shoes and long sleeves. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Safety showers should be located in the work area where skin contact can occur.
- Respiratory Protection: Where risk assessment shows air-purifying respirators are appropriate, use a NIOSH-approved full-face respirator with appropriate cartridges. For oxygen deficient atmospheres, use a NIOSH approved air-supplied respirator. Respiratory protection may be needed for non-routine or emergency situations. Respiratory protection must be provided in accordance with OSHA 29 CFR 1910.134.
- General Controls: Always ensure adequate ventilation and that working areas contain safety showers and eye wash stations. Handle material in accordance with good industrial hygiene and safety practices.

9. PHYSICAL AND CHEMICAL PROPERTIES



Physical State:	Liquid
Color:	Clear, slight haze
Odor:	Ammoniacal
Odor Threshold:	N/A
pH:	11.8 ± .5
Melting/Freezing Point:	Not Established/ <32° F
Boiling Point:	>212 °F
Flash Point:	>200 °F
Evaporation Rate:	Not Established
Flammability (solid, gas):	Not Flammable
Flammability/Explosion Limits:	Not Established
Vapor Pressure @ 20°C:	13mm Hg @25C
Vapor Density:	Not Established
Specific Gravity:	1.17 ± 0.5
Density:	Not Established
Solubility in Water:	Soluble
Partition Coefficient:	Not Established
Autoignition Temperature:	Not Established
Decomposition Temperature:	Not Established
Viscosity:	Not Established

10. STABILITY AND REACTIVITY

Chemical Stability:	Stable under recommended storage conditions. Do not store under 50 °F.
Conditions and Materials to Avoid:	Incompatible with strong acids.
Hazardous Decomposition Products:	Carbon disulfide and dimethylamine may be generated upon acidification. Contact with fire or strong oxidants may generate methylisothiocyanate, oxides of sulfur, nitrogen and carbon.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity Believed to be slightly toxic by dermal absorption

Component	CAS Number	Test	Toxicity
Proprietary Blend	Not Applicable	Oral LD50 (Rat)	2100 mg/kg
		Skin LD 50 (Rabbit)	1150 mg/kg
		Inhalation LD 50 (Rat)	3.9 mg/L (4 hr)

Potential Health Effects

Inhalation:	May cause irritation of mucous membranes and the lungs. Exposed individuals should be monitored for respiratory distress, bronchitis, or pneumonia.
Skin:	Irritant. Effects may vary depending on length of exposure, solution concentration, and first aid measures.
Eyes:	Irritant. Effects may vary depending on length of exposure, solution concentration, and first aid measures.
Ingestion:	Can be harmful if swallowed. Do not ingest.



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Signs and Symptoms of Exposure: No data available

Chronic Effects of Long-term Exposure: No data available

Carcinogenicity: No component of this product at levels greater than 0.1% is identified as carcinogenic by IARC, ACGIH, or OSHA.

12. ECOLOGICAL INFORMATION Acute Ecotoxicity

Component	CAS Number	Organism	Ecotoxicity
Proprietary Blend	Not Applicable	Not Established	Not Established

Ecological Effects

Persistence and Degradability: Not Established

Bioaccumulation Potential: Not expected to bio-accumulate

Mobility in Soil:

Other Adverse Effects: Not Established

13. DISPOSAL CONSIDERATIONS

Disposal: Surplus and non-recyclable material should be treated as hazardous waste and be disposed of by a licensed disposal company. Material should be disposed in accordance with all local, state, and federal regulations. Regulations vary by region. Do not release into sewers or waterways.

Contaminated Packaging: Dispose of as unused product.

14. TRANSPORT INFORMATION

DOT Information

Proper Shipping Name: Non-Regulated Water Treatment Compounds

UN Number:

Hazard Class:

Packing Group:

Reportable Quantity (RQ):

Marine Pollutant: Not Established

Note:

15. REGULATORY INFORMATION

US Federal



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SARA 302 Components: This product does not contain a Section 302 substance subject to Emergency Planning Notification/Threshold Planning Quantities
SARA 311/312 Hazards: Acute Health Hazard
SARA 313 Components: This product does not contain a Section 313 listed toxic chemical subject to release reporting requirements. Reporting threshold 10,000 lbs

TSCA Inventory: All chemical components are listed on TSCA Inventory.

European Union

EC Inventory: None Listed

State Regulations

CA Prop 65: This product does not contain chemicals currently on the California list of known carcinogens and/or reproductive toxins.

16. OTHER INFORMATION

SDS Version: 1.0
Revision Date: 06/01/15
Disclaimer: The information contained in this document was carefully compiled and is believed to be accurate. The information represents the present state of our knowledge and is applicable to the product with the regard to appropriate safety precautions. However, it does not represent any guarantee of the properties of the product. Advanced Chemical Technology, Inc. shall not be held liable for any damages resulting from handling or from contact with the above product. It is the responsibility of the purchaser to determine the suitability of the product for their particular purposes. Nothing contained herein shall be construed to be a recommendation to use, or as a license to operate under, or to infringe any existing patents. For product information call Advanced Chemical Technology, Inc., 1-909-980-4556.