

# WATER TREATMENT SERVICES

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## WTSWW-526AE

### MATERIAL SAFETY DATA SHEET

#### SECTION 1: PRODUCT IDENTIFICATION

PRODUCT NAME: **WTSWW-526AE**  
CHEMICAL DESCRIPTION: Anionic Emulsion Polymer  
PRODUCT CLASS: Polymer  
VERSION: 1-12-09

#### SECTION 2: INFORMATION ON INGREDIENTS

Chemical Name	CAS #	Weight %	OSHA PEL	ACGIH TLV
Based on our hazard evaluation, none of the substances in this product are hazardous.				

#### SECTION 3: HAZARDS IDENTIFICATION

\*\*\*\*\*EMERGENCY OVERVIEW\*\*\*\*\*

Off white, opaque liquid.

**CAUTION!**

May cause eye and skin irritation.

Water in contact with this product will cause slippery floor conditions.

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PRIMARY ROUTES OF ENTRY: Eye and skin contact

TARGET ORGANS: Eye and skin

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: A review of available data does not identify any worsening of existing conditions.

**POTENTIAL HEALTH EFFECTS:**

**EYE CONTACT:** May cause irritation with prolonged contact.

**SKINCONTACT:** May cause irritation with prolonged contact.

**INGESTION:** Ingestion is not a likely route of exposure. No adverse effects are expected.

**INHALATION:** Inhalation is not a likely route of exposure. No adverse effects are expected.

**SUBCHRONIC, CHRONIC:** Frequent or prolonged contact with this product may defat and dry the skin, leading to discomfort and dermatitis.

**CARCINOGENICITY:**

NTP: No ingredients listed in this section

IARC: No ingredients listed in this section

OSHA: No ingredients listed in this section

**SECTION 4: FIRST AID MEASURES**

**EYE CONTACT:** Immediately flush eyes with plenty of water for at least 15 minutes, lifting the upper and lower eyelids occasionally to ensure complete rinsing. Get medical attention.

**SKIN CONTACT:** In case of contact, remove contaminated clothing and wash the affected area thoroughly with plenty of soap and water. Seek medical attention if symptoms develop.

**INGESTION:** In case of ingestion, do not induce vomiting without medical advice. If victim is conscious and alert, washout mouth and give water to drink. If symptoms develop, seek medical advice. Never give anything by mouth to an unconscious person.

**INHALATION:** Remove victim to fresh air. If breathing stops, give artificial respiration. If breathing is difficult, have a trained medical person give oxygen. Seek medical aid if any breathing difficulties or irritation occurs.

**NOTE TO PHYSICIAN:** Based on the individual reactions of the patient, the physician's judgement should be used to control symptoms and clinical condition.

**SECTION 5: FIRE-FIGHTING MEASURES**

FLASH POINT: >200 °F (>93 °C), PMCC

LOWER FLAMMABLE LIMIT: Not available

UPPER FLAMMABLE LIMIT: Not available

AUTO-IGNITION TEMPERATURE: Not available

EXTINGUISHING MEDIA: Foam, dry powder, carbon dioxide, or other extinguishing agent suitable for Class B fires.

UNSUITABLE EXTINGUISHING MEDIA: Do not use water unless flooding amounts are available.

FIRE-FIGHTING INSTRUCTIONS: Exercise caution when fighting any chemical fire. Wear a full face positive-pressure self contained breathing apparatus and protective suit.

FIRE & EXPLOSION HAZARDS: Product emits toxic gases under fire conditions.

DECOMPOSITION PRODUCTS: Thermal decomposition or combustion may produce carbon monoxide, carbon dioxide, ammonia, and nitrogen oxides.

NFPA RATINGS: Health = 0 Flammability = 1 Reactivity = 0 Special Hazard = None

Hazard rating scale: 0=Minimal; 1=Slight; 2=Moderate; 3=Serious; 4=Severe

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

PERSONAL PRECAUTIONS: Notify appropriate government, occupational health and safety and environmental authorities. Do not touch spilled material. Stop or reduce any leaks if it is safe to do so. Use personal protective equipment recommended in Section 8 (Exposure Controls/Personal Protection)

**METHODS FOR CLEAN-UP:**

Small spills: Soak up spill with an absorbent material. Place residues in a suitable, covered, properly labeled container. Wash the affected area.

Large spills: Contain liquid using absorbent material, by digging trenches or by diking. Reclaim into recovery or salvage drums or tank truck for proper disposal. Contact an approved waste hauler for disposal of contaminated recovered material. Dispose of material in compliance with regulations indicated in Section 13 (Disposal Considerations).

**ENVIRONMENTAL PRECAUTIONS:** This product is toxic to fish. It should not be directly discharged into lakes, ponds, streams, waterways, or public water supplies.

**CAUTION:** Spilled product makes hard surfaces extremely slippery thus presenting a slip and fall hazard.

### **SECTION 7: HANDLING AND STORAGE**

**HANDLING:**

Avoid contact with eyes, skin and clothing.

Do not take internally.

Wash thoroughly after handling.

Keep containers closed when not in use.

Ensure that all containers are labeled.

Have emergency equipment (for fires, spills, leaks, etc.) readily available.

**STORAGE:**

Store in a cool, dry, well-ventilated area away from oxidizers. Protect product from freezing.

**SUITABLE MATERIALS OF CONSTRUCTION:** Compatibility with Plastic Materials can vary; we therefore recommend that compatibility is tested prior to use.

### **SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**

**EYE/FACE PROTECTION:** Chemical splash goggles

**SKIN PROTECTION:** Chemical resistant gloves (Nitrile or PVC) and body covering clothing

**RESPIRATORY PROTECTION:** Due to its low volatility and toxicity, the hazard potential associated with this material is relatively low. Respiratory protection is not normally needed.

**ENGINEERING CONTROLS:** General ventilation is recommended.

**HYGIENE RECOMMENDATIONS:** An eye wash station and safety shower should be available.

### **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

pH: 8.0

**SPECIFIC GRAVITY:** 0.99-1.07 g/mL @ 69 °F (20.5 °C)

SOLUBILITY IN WATER: Emulsifiable

FREEZING POINT: -7 °F (-21.6 °C)

VAPOR PRESSURE: Not available

VAPOR DENSITY (air=1): Not available

VOLATILE ORGANIC CONTENT: 22.17% EPA Method 24

VISCOSITY: 500-1,400 cps @ 69 °F (20 °C)

APPEARANCE AND ODOR: Off white opaque liquid with a hydrocarbon odor

#### **SECTION 10: STABILITY AND REACTIVITY**

CHEMICAL STABILITY: Stable under normal conditions

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID: Freezing temperatures and incompatibles

INCOMPATIBILITY: The addition of water results in gelling. Contact with strong oxidizers (e.g. chlorine, peroxides, chromates, nitric acid, perchlorate, concentrated oxygen, permanganate) may generate heat, fires, explosions, and/or toxic vapors.

DECOMPOSITION PRODUCTS: Thermal decomposition or combustion may produce carbon monoxide, carbon dioxide, ammonia, and nitrogen oxides.

#### **SECTION 11: TOXICOLOGICAL INFORMATION**

No toxicity studies have been conducted on this product.

SENSITIZATION: This product is not expected to be a sensitizer.

HUMAN HAZARD CHARACTERIZATION: Based on our hazard characterization, the potential human hazard is: Moderate

#### **SECTION 12: ECOLOGICAL INFORMATION**

ECOTOXICOLOGICAL EFFECTS:

The following results are for a 1% aqueous solution.

**ACUTE FISH RESULTS:**

<u>Species</u>	<u>Exposure</u>	<u>LC50</u>	<u>Test Descriptor</u>
Rainbow trout	96 hr	>1,000 mg/L	1% Aqueous solution of product

**ACUTE INVERTEBRATE RESULTS:**

<u>Species</u>	<u>Exposure</u>	<u>LC50</u>	<u>EC50</u>	<u>Test Descriptor</u>
Daphnia magna	48 hr	>1,000 mg/L	980 mg/L	1% Aqueous solution of product

**ENVIRONMENTAL HAZARD AND EXPOSURE CHARACTERIZATION**

Based on our hazard characterization, the potential environmental hazard is: Moderate

If released into the environment, see CERLCA in Section 15.

**SECTION 13: DISPOSAL CONSIDERATIONS**

If this product becomes a waste, it is not a hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA), 40 CFR 261, since it does not have the characteristics of Subpart C, nor is it listed under Subpart D.

As a non-hazardous waste, it is not subject to federal regulation. Consult state or local regulation for any additional handling, treatment, or disposal requirements. For disposal, contact a properly licensed waste treatment, storage, disposal, or recycling facility.

**SECTION 14: TRANSPORTATION**

DOT CLASSIFICATION:  
 Class/Division: Not restricted  
 Proper Shipping Name: Not applicable  
 Label: None  
 Packing Group: Not applicable  
 ID Number: Not applicable

**SECTION 15: REGULATORY INFORMATION**

OSHA Hazard Communication Status: Nonhazardous

TSCA: The ingredients of this product are listed on the Toxic Substances Control Act (TSCA) Chemical Substances Inventory.

CERCLA: EPA Hazardous Substances (40 CFR 302):

<u>Chemical Name</u>	<u>CERCLA Reportable Quantity (RQ)</u>
None	Not applicable

SARA TITLE III (Sections 302, 311, 312, and 313):

Section 302 Extremely Hazardous Substances (40 CFR 355):

<u>Chemical Name</u>	<u>CAS#</u>	<u>RQ</u>	<u>TPQ</u>
None			

Section 311 and 312 Health and Physical Hazards:

<u>Immediate</u>	<u>Delayed</u>	<u>Fire</u>	<u>Pressure</u>	<u>Reactivity</u>
no	no	no	no	no

Section 313 Toxic Chemicals (40 CFR 372):

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Percent by Weight</u>
None		

**SECTION 16: OTHER INFORMATION**

HMIS RATINGS:      Health = 1      Flammability = 1      Reactivity = 0

Hazard Rating Scale: 0=Minimal; 1=Slight; 2=Moderate; 3=Serious; 4=Severe

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The preceding information is accurate to the best of our knowledge. However, since data, safety standards, and government regulations are subject to change, and the conditions of handling and use or misuse are beyond our control, WaterTreatment Services makes no warranty, either express or implied, with respect to the completeness or continuing accuracy of the information contained herein, and disclaims all liability for reliance thereon. User should satisfy himself that he has all current data relevant to his particular use.