

# WATER TREATMENT SERVICES

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## WTSCT-304

### MATERIAL SAFETY DATA SHEET

#### SECTION 1: PRODUCT IDENTIFICATION

PRODUCT NAME: **WTSCT-304**  
CHEMICAL DESCRIPTION: Aqueous polymer solution  
PRODUCT CLASS: Water Treatment  
VERSION: 8-6-04

#### SECTION 2: INFORMATION ON INGREDIENTS:

Chemical Name	CAS #	Weight % Less Than	OSHA PEL	ACGIH TLV
Polyacrylic acid	9003-01-4	41	None established	None established
Sodium polyacrylate	9003-04-7	14	None established	None established

Amounts specified are typical and do not represent a specification. Remaining components are proprietary, non-hazardous, and/or present at amount below reporting limits.

#### SECTION 3: HAZARDS IDENTIFICATION:

\*\*\*\*\*EMERGENCY

OVERVIEW\*\*\*\*\*

Clear, water white to amber liquid.  
May cause eye and skin irritation.  
May cause respiratory tract irritation.

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**PRIMARY ROUTES OF ENTRY:** Eyes, skin, ingestion, and inhalation of product mists

**TARGET ORGANS:** Eyes, skin, and respiratory system

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** Pre-existing skin problems may be aggravated by prolonged or repeated exposures.

**POTENTIAL HEALTH EFFECTS:**

**EYE CONTACT:** This product may cause eye irritation.

**SKIN CONTACT:** This product may cause irritation upon contact with the skin. No data is available to suggest that this product may be absorbed through the skin in harmful amounts or cause an allergic skin reaction.

**INGESTION:** Ingestion may cause gastrointestinal irritation. This product, however, would not be expected to be toxic.

**INHALATION:** This product is not expected to present an inhalation hazard. If product mists are generated and inhaled, respiratory tract irritation may occur. Dizziness, headache, nausea, and flu-like symptoms may also occur. Persons with sensitive airways (e.g. asthmatics) may react to inhaled mists.

**SUBCHRONIC, CHRONIC:** No applicable information was found concerning any potential health effects resulting from subchronic or chronic exposure to this product.

**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:** In case of eye contact, flush eyes with plenty of water for at least 15 minutes, lifting upper and lower eyelids to ensure complete rinsing. Seek medical aid if symptoms occur.

**SKIN CONTACT:** In case of skin contact, wash the affected areas with plenty of soap and water. Wash clothing before reuse. Seek medical aid if symptoms occur.

**INGESTION:** This product is expected to be practically non-toxic by ingestion. If swallowed, do NOT induce vomiting. Give one or two glasses of water. Call a physician.

INHALATION: Not an expected route of overexposure. However, if exposure by inhalation is suspected, remove to fresh air. Aid in breathing if necessary and seek medical aid if symptoms occur.

#### **SECTION 5: FIRE-FIGHTING MEASURES:**

FLASHPOINT: >200 °F (>93 °C) [TCC]

*This product is not by definition a "flammable liquid" or a "combustible liquid".*

LOWER FLAMMABLE LIMIT: Not available

UPPER FLAMMABLE LIMIT: Not available

AUTO-IGNITION TEMPERATURE: Not available

EXTINGUISHING MEDIA: Use an extinguishing media that is appropriate for the surrounding fire. Carbon dioxide may be ineffective on larger fires due to a lack of cooling capacity, which may result in reignition.

FIRE-FIGHTING INSTRUCTIONS: Exercise caution when fighting any chemical fire. A self-contained breathing apparatus and protective clothing are essential.

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

DECOMPOSITION PRODUCTS: Thermal decomposition or combustion may produce carbon monoxide, carbon dioxide, acrylate monomers, and hydrocarbons.

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

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

#### **SECTION 6: ACCIDENTAL RELEASE MEASURES:**

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Wear appropriate personal protective equipment, contain the spill, collect the spilled material onto an inert absorbent, and place the used absorbent in a suitable container.

Dispose of used absorbent according to federal, state, and local regulations.

**SECTION 7: HANDLING AND STORAGE:**

**HANDLING:**

Avoid contact with eyes, skin, and clothing.  
Avoid breathing vapor or mist.  
Use with adequate ventilation.  
Wash thoroughly after handling.  
Keep container closed when not in use.

**STORAGE:** Store in a cool, dry, well-ventilated area away from incompatibles.

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

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

**SKIN PROTECTION:** Chemical resistant gloves

**RESPIRATORY PROTECTION:** If airborne concentrations become irritating, use NIOSH approved respirator in accordance with OSHA respiratory protection requirements (29 CFR 1910.134).

**ENGINEERING CONTROLS:** Use local exhaust ventilation where mist or spray may be generated.

**WORK PRACTICES:** An eye wash station should be accessible in the immediate area of use.

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

pH: 3.4-4.0

SPECIFIC GRAVITY: 1.26-1.32 g/mL

SOLUBILITY IN WATER: Complete

BOILING POINT: 212 °F (100 °C)

FREEZING POINT: Not available

VAPOR PRESSURE: ~18 mm Hg @ 68 °F

VAPOR DENSITY: Not available

APPEARANCE AND ODOR: Clear, water white to amber liquid

**SECTION 10: STABILITY AND REACTIVITY:**

**CHEMICAL STABILITY:** Stable

**HAZARDOUS POLYMERIZATION:** Will not occur

CONDITIONS TO AVOID: No specific information

INCOMPATIBILITIES: Strong oxidizers

DECOMPOSITION PRODUCTS: Thermal decomposition or combustion may produce carbon monoxide, carbon dioxide, acrylate monomers, and hydrocarbons.

**SECTION 11: TOXOLOGICAL INFORMATION:**

ON INGREDIENT:

Test Material	Oral LD50 (rat)	Dermal LD50 (rabbit)	Inhalation LC50 (rat)
Sodium polyacrylate	>1,450 mg/Kg	>5,800 mg/Kg	Not available

**SECTION 12: ECOLOGICAL INFORMATION:**

ON PRODUCT

Test Material	Aquatic Toxicity Data
*Product	48 hr EC50 (Daphnia): 1,509 mg/L 96 hr LC50 (rainbow trout): 1,182 mg/L

\*Testing performed at near neutral pH

**SECTION 13: DISPOSAL:**

RCRA STATUS: This product would not be considered a RCRA Hazardous Waste.

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

**SECTION 14: TRANSPORTATION**

DOT CLASSIFICATION:

Proper Shipping Name: Not restricted

Primary Hazard Class/Division: Not applicable

UN Number: None

Packing Group: Not applicable

Label: Not applicable

**SECTION 15: REGULATORY INFORMATION**

OSHA Hazard Communication Status: Hazardous

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):

Chemical Name

CERCLA Reportable Quantity (RQ)

No ingredients have a CERCLA RQ.

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

Section 302 Extremely Hazardous Substances (40 CFR 355):

Chemical Name

CAS#

RQ

TPQ

None

Section 311 and 312 Health and Physical Hazards:

Immediate

Delayed

Fire

Pressure

Reactivity

yes

no

no

no

no

**Section 313 Toxic Chemicals (40 CFR 372):**

Chemical Name

CAS Number

Percent by Weight

None

**SECTION 16: OTHER INFORMATION**

**HMIS RATINGS:    Health = 1    Flammability = 0    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, Water Treatment 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.