



# PMC WATER SYSTEMS SERVICES INC.

## 124 CONNIE CRES. UNIT 9 CONCORD, ONTARIO.

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### MATERIAL SAFETY DATA SHEET C-2026-TTA

#### Protection Required



#### SECTION 1 - MATERIAL IDENTIFICATION AND USE

**Manufacturer's Name** : PMC Water Systems Services Inc.  
**Manufacturer's Address** : 124 Connie Crescent, Unit 9, Concord, ON L4K 1L7  
**Manufacturer's Phone #** : (905) 669-8262  
**24 Emergency Phone #** : Canutec (613) 996-6666  
**Product Identifier** : C-2026-TTA  
**Product Use** : Anticorrosion additive

#### SECTION 2 – COMPOSITION/INGREDIENTS OF MATERIAL

Ingredients	Concentration	CAS #	LD <sub>50</sub>	LC <sub>50</sub>
Tolytriazole Sodium Salt	8-15%	64665-57-2	1980 mg/kg (oral – rat)	No Data Available

#### SECTION 3 – HAZARDS IDENTIFICATION

**Emergency Overview** DANGER! Corrosive. May cause central nervous system effects. May cause cardiac disturbances. Causes eye and skin burns. May cause severe respiratory tract irritation with possible burns. May cause severe digestive tract irritation with possible burns.

**Eye Contact** Causes eye burns. May cause chemical conjunctivitis and corneal damage.

**Skin Contact** Causes skin burns. May cause skin rash (in milder cases) and cold and clammy skin with cyanosis or pale colour.

**Inhalation** Causes chemical burns to the respiratory tract. May cause central nervous system effects including vertigo, anxiety, depression, muscle in-coordination and emotional instability. Aspiration may lead to pulmonary edema. May cause cardiac abnormalities. May cause systemic effects.

**Ingestion** May cause severe and permanent damage to the digestive tract. Causes gastrointestinal tract burns. May cause perforation of the digestive tract.

#### SECTION 4 – FIRST AID MEASURES

**Eye Contact** Flush eyes with plenty of water for at least 15 minutes while occasionally lifting the upper and lower eyelids. Get medical attention.

**Skin Contact** Get medical aid. Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

**Inhalation** Remove victim to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid. Do NOT use mouth-to-mouth resuscitation.

**Ingestion** Do NOT induce vomiting. If victim is conscious and alert, give 2-4 cups of milk or water. Never give anything by mouth to an unconscious person. Get medical aid immediately.

**Notes to Physician** Treat symptomatically and supportively.

#### SECTION 5 - FIRE FIGHTING MEASURES

**Flammability** Non-Combustible

**Flash Point** >93°C, 200°F

**Autoignition Temperature** >500°C, 932°F

**Extinguishing media** Use water spray to cool fire-exposed containers. Use extinguishing media appropriate for surrounding fire. Do not get water inside containers.

**Unusual Fire or** During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

<b>Explosion Hazards</b>	Vapours may be heavier than air; they can spread along the ground and collect in low or confined areas. Contact with metals may evolve flammable hydrogen gas. Containers may explode when heated.
<b>Firefighting Instructions</b>	Do not release runoff from fire control methods to sewers or waterways.
<b>Firefighting Equipment</b>	Since fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus with a full face-piece operated in pressure-demand or positive-pressure mode.
<b>Hazardous Combustion Products</b>	Substance itself does not burn but may decompose upon heating to produce irritating and/or toxic fumes.
<b>NFPA Ratings</b>	Health 3, Flammability 0, Instability 0
<b>HMIS Ratings</b>	Health 3, Flammability 0, Reactivity 0

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	Safety eye goggles. Wear protective clothing and equipment.
<b>Environment Precautions</b>	Do not release into sewers or waterways. Avoid discharge to natural waters and sewers.
<b>Spill Response/Cleanup</b>	Clean up spills immediately and ventilate spill area. For small spills: absorb spill with inert material (e.g. dry sand or earth), then place in chemical waste container. For large spills: dike far ahead of liquid spill for later disposal.

## SECTION 7 – HANDLING AND STORAGE

<b>Handling</b>	Do not breathe vapour, mist or gas. Avoid contact with eyes, skin and clothing. Keep container tightly closed. Do not ingest or inhale. Use only in a chemical fume hood. Discard contaminate shoes.
<b>Storage Requirements</b>	Store in a cool, dry, well-ventilated area. Keep container closed when not in use. Store in original tightly closed container.

## SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Ventilation</b>	Local exhaust ventilation is preferred to control source contaminant dispersion.
<b>Respiratory Protection</b>	When respiratory protection is required for certain operations, use a NIOSH approved air-purifying respirator.
<b>Skin Protection</b>	Chemical protective gloves, footwear and clothing to prevent prolonged or repeated skin contact.
<b>Eye/Face Protection</b>	Chemical safety goggles; protective eyeglasses
<b>Other Comments</b>	An eyewash station and safety shower should be available. Never eat, drink or smoke in work areas. Practice good person hygiene after using this material, especially before eating, drinking, smoking, using the toilet or applying cosmetics.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State</b>	: Liquid
<b>Odour and Appearance</b>	: Mild odour; yellow to brownish red liquid
<b>Odour Threshold</b>	: Not Available
<b>Specific Gravity (Water = 1)</b>	: 1.05 to 1.10 g/cc
<b>Vapour Pressure (mmHg)</b>	: 0.04 @ 20°C, 68°F
<b>Vapour Density (Air = 1)</b>	: Not Available
<b>Evaporation Rate</b>	: <1
<b>Boiling Point</b>	: 104° C, 219° F
<b>Freezing/Melting Point</b>	: -5° C, 23° F
<b>pH</b>	: 11 – 12
<b>Solubility in Water</b>	: Miscible

## SECTION 10 – STABILITY AND REACTIVITY

<b>Stability/Reactivity</b>	Stable under normal conditions.
<b>Conditions to Avoid</b>	Ignition sources, dust generation, excess heat, strong oxidants.
<b>Incompatible Materials</b>	Oxidizing and reducing agents.
<b>Hazardous Decomposition Products</b>	Thermal oxidative decomposition can produce nitrogen oxides, carbon monoxide and carbon dioxide.
<b>Hazardous Polymerization</b>	Hazardous polymerization will not occur.

## SECTION 11 – TOXICOLOGICAL INFORMATION

<b>Routes of Entry</b>	:	Eyes, skin, and ingestion. Absorbed through skin.
<b>Skin Contact</b>	:	Causes skin burns.
<b>Eye Contact</b>	:	Causes eye burns.
<b>Ingestion</b>	:	Hazardous in case of ingestion.
<b>Inhalation</b>	:	Inhalation of the spray mist may produce severe irritation of respiratory tract, characterized by coughing, choking, or shortness of breath.
<b>Chronic Exposure Effects</b>	:	Repeated or prolonged contact with spray mist may produce chronic eye irritation, severe skin irritation, and respiratory tract irritation leading to frequent attacks of bronchial infection.
<b>Irritancy</b>	:	Corrosive eye and skin irritant.
<b>Sensitization</b>	:	Not Available
<b>Carcinogenicity</b>	:	Not listed as a carcinogen by IARC, NTP, ACGIH and OSHA.
<b>Teratogenicity</b>	:	Not Available
<b>Mutagenicity</b>	:	Not Available
<b>Reproductive Effects</b>	:	Not Available

## SECTION 12 – ECOLOGICAL INFORMATION

**General Comments** No Data Available

## SECTION 13 – DISPOSAL CONSIDERATIONS

**Waste Disposal** Dispose in accordance with federal, provincial or local government requirements. Contact your local, provincial or federal environmental agency for specific regulations.

## SECTION 14 – TRANSPORT INFORMATION

**TDG Shipping Regulations** UN 3267, Corrosive Liquid, Basic, Organic, N.O.S. Solution (Sodium Tolytriazole), Class 8, PG III

## SECTION 15 – REGULATORY INFORMATION

**WHMIS Classification** Class D2B: Toxic Material  
Class E: Corrosive Material

**Domestic Substances List** All ingredients are listed on the DSL or are not required to be listed.

## SECTION 16 – OTHER INFORMATION

**Prepared by:** Lab Services  
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Concord Ontario L4K 1L7

**Preparation Date:** January 3, 2017

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While all the data presented is believed to be accurate at the time of preparation, PMC Water Systems Services Inc. makes no warranty; the data is offered for your consideration, investigation and verification.