

# Material Safety Data Sheet

## CW-1325

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

<b>Product name</b>	CW-1325
<b>Product use</b>	Corrosion inhibitors and anti-scaling agents
<b>Manufacturer</b>	Athlon Solutions, LLC. PO Box 27727 Houston, TX 77227-7727 USA
<b>Telephone</b>	1-713-457-2400
<b>In case of emergency</b>	1-800-424-9300 (CHEMTREC) 1-703-527-3887 (Outside U.S. - Call Collect)

### SECTION 2. HAZARDS IDENTIFICATION

#### Emergency Overview

<b>Signal Word</b>	<b>Danger</b>
<b>Hazard Summary</b>	Corrosive.
<b>Physical state</b>	liquid
<b>Color</b>	clear amber
<b>Odor</b>	mild sweet
<b>Primary Routes of Entry</b>	Inhalation. Skin.

#### Potential Health Effects

<b>Inhalation</b>	Vapors, spray or mists may be very irritating or corrosive to the respiratory system.
<b>Skin</b>	Causes skin burns.
<b>Eyes</b>	Causes eye burns. May cause permanent eye injury.
<b>Ingestion</b>	Causes digestive tract burns.
<b>Chronic Exposure</b>	No known significant effects or critical hazards.
<b>Medical conditions aggravated by over-exposure</b>	Asthma

#### Environmental hazards

<b>Environmental effects</b>	No known significant effects or critical hazards.
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See toxicological information (section 11)

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Hazardous ingredients

<u>Name</u>	<u>CAS no.</u>	<u>Weight %</u>
Phosphoric acid, potassium salt	16068-46-5	5 - 10
Sodium Tolytriazole	64665-57-2	1 - 5
Tetrapotassium pyrophosphate	7320-34-5	1 - 5

#### SECTION 4. FIRST AID MEASURES

<b>General advice</b>	If you feel unwell, seek medical advice (show the label when possible). No action shall be taken involving any personal risk or without suitable training.
<b>Inhalation</b>	Move exposed person to fresh air. Call a physician or poison control center immediately. If unconscious place in recovery position and seek medical advice. Keep respiratory tract clear.
<b>Skin contact</b>	Take off contaminated clothing and shoes immediately. Get medical attention immediately.
<b>Eye contact</b>	In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Remove contact lenses. Continue rinsing eyes during transport to hospital. Keep eye wide open while rinsing. Protect unharmed eye.
<b>Ingestion</b>	Rinse mouth with water. Drink plenty of water. Call a physician or poison control center immediately. Take victim immediately to hospital. Do NOT induce vomiting. Never give anything by mouth to an unconscious person.
<b>Notes to physician</b>	No information available.

#### SECTION 5. FIRE-FIGHTING MEASURES

<b>Fire Hazard</b>	No specific fire or explosion hazard.
<b>Flash point</b>	> 200 °F (93.3 °C)
<b>Autoignition temperature</b>	Not available.
<b>Flammable limits</b>	Lower: Not available. Upper: Not available.
<b><u>Extinguishing media</u></b>	
<b>Suitable</b>	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
<b>Hazardous combustion products</b>	Carbon oxides. metal oxides. nitrogen oxides (NO <sub>x</sub> ). phosphorus oxides.
<b>Special protective equipment for fire-fighters</b>	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Fire-fighters' protective clothing will only provide limited protection.
<b>Further information</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
<b>Explosion hazard</b>	Risk of explosion of the product in the presence of mechanical impact: Not available.  Risk of explosion of the product in the presence of static discharge: Not available.

#### SECTION 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions</b>	Ensure adequate ventilation. Do not touch or walk through spilled material. Keep people away from and upwind of spill/leak. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see section 8).
<b>Environmental precautions</b>	Avoid contact of spilled material with soil and prevent runoff entering surface waterways.
<b>Methods for cleaning up</b>	For large spills, dike spilled material or otherwise contain it to ensure runoff does not reach a waterway. Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

Keep in suitable, closed containers for disposal.

**SECTION 7. HANDLING AND STORAGE**

<b>Handling</b>	Use only with adequate ventilation. Put on appropriate personal protective equipment (see section 8). Do not get in eyes or on skin or clothing. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Do not enter storage areas and confined spaces unless adequately ventilated. Workers should wash hands and face before eating, drinking and smoking.
<b>Storage</b>	Keep container closed when not in use. Keep container in a well-ventilated area.

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

**Personal Protection**

<b>Hand protection</b>	Impervious butyl rubber gloves. Neoprene gloves. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.
<b>Eye protection</b>	Safety goggles. Face-shield.
<b>Skin and body protection</b>	Wear as appropriate: Chemical-resistant protective suit. Footwear protecting against chemicals.
<b>Respiratory protection</b>	In the case of vapor formation use a respirator with an approved filter.

**Occupational Exposure Limits**

Not established

<b>Engineering measures</b>	If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.
<b>Hygiene measures</b>	Handle in accordance with good industrial hygiene and safety practice. Use only with adequate ventilation. Avoid contact with skin, eyes and clothing. Remove contaminated clothing and protective equipment before entering eating areas. Wash hands before breaks and immediately after handling the product.
<b>Protective measures</b>	Emergency baths, showers, or other equipment appropriate for the potential level of exposure should be located close to the workstation location. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical state</b>	liquid
<b>Color</b>	clear amber
<b>Odor</b>	mild sweet
<b>Odor Threshold</b>	Not available.
<b>Melting/freezing point</b>	Not available.
<b>Pour point</b>	Not available.
<b>Boiling/condensation point</b>	Not available.
<b>Flash point</b>	> 200 °F (93.3 °C)
<b>pH</b>	11.5 - 13.5
<b>Solubility</b>	Not available.
<b>Relative density</b>	1.1500 - 1.2500 at 68 °F (20.0 °C)

<b>Vapor pressure</b>	Not available.
<b>Evaporation rate</b>	Not available.
<b>Viscosity</b>	Not available.
<b>Partition coefficient: n-octanol/water</b>	Not available.

Note: Typical values only - not to be interpreted as sales specifications

## SECTION 10. STABILITY AND REACTIVITY

<b>Chemical stability</b>	Stable under normal conditions.
<b>Conditions to avoid</b>	No specific data.
<b>Materials to avoid</b>	Strong oxidizing agents. Strong acids. No specific data.
<b>Hazardous decomposition products</b>	No hazardous decomposition products are known.
<b>Hazardous reactions</b>	No dangerous reaction known under conditions of normal use.

## SECTION 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

<u>Substance</u>	<u>Test</u>	<u>Species</u>	<u>Dose</u>	<u>Classification</u>
Sodium Tolyltriazole	LD50 Oral	rat	1,980 mg/kg	not applicable
Tetrapotassium pyrophosphate	LD50 Oral	rat	> 2,980 mg/kg	not applicable
	LD50 Dermal	rabbit	> 7,940 mg/kg	not applicable

### Irritation/Corrosion

No data is available on the product itself.

### Sensitization

No data is available on the product itself.

### Chronic toxicity

No data is available on the product itself.

### Target organ effects

No data is available on the product itself.

### Carcinogenicity

No data is available on the product itself.

None of the components are listed.

### Mutagenicity

No data is available on the product itself.

### Teratogenicity

No data is available on the product itself.

### Reproductive toxicity

No data is available on the product itself.

## SECTION 12. ECOLOGICAL INFORMATION

**Environmental effects** No known significant effects or critical hazards.

### Aquatic ecotoxicity

<u>Substance</u>	<u>Species</u>	<u>Exposure</u>	<u>Value type</u>	<u>Value</u>	<u>Endpoints</u>	<u>Classification</u>
Product	Pimephales promelas (fathead minnow)	96 h	LC50	1,222 mg/l	-	Practically non-toxic to aquatic organisms.
Product	Daphnia pulex (Water flea)	48 h	EC50	1,172 mg/l	-	Practically non-toxic to aquatic organisms.

### Biodegradation

No data is available on the product itself.

### Bioaccumulation

No data is available on the product itself.

**Octanol/water partition coefficient (LogPow)** Not available.

## SECTION 13. DISPOSAL CONSIDERATIONS

**Waste disposal** Dispose of wastes in an approved waste disposal facility. Empty containers or liners may retain some product residues. If recycling is not practicable, dispose of in compliance with local regulations.

**Contaminated packaging** Dispose of as unused product.

Disposal should be in accordance with applicable regional, national and local laws and regulations. Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

## SECTION 14. TRANSPORT INFORMATION

### **DOT**

UN Number:	1760
Description of the goods	Corrosive liquids, n.o.s.(Sodium Tolyltriazole, Potassium hydroxide)
Class	8
Packing group	II
Labels	8
Emergency Response	154
Guidebook Number	
Environmentally hazardous	no

### **IATA**

UN number	1760
Description of the goods	Corrosive liquid, n.o.s.(Sodium Tolyltriazole, Potassium hydroxide)
Class	8
Packing group	II
Labels	8

### **IMDG**

UN number	1760
Description of the goods	CORROSIVE LIQUID, N.O.S.(Sodium Tolyltriazole, Potassium hydroxide)
Class	8
Packing group	II
Labels	8
Marine pollutant	no

## SECTION 15. REGULATORY INFORMATION

**U.S. Federal regulations**

**CERCLA: Hazardous substances - Reportable quantity:**

None of the components are listed.

<u>Product</u>	<u>Reportable quantity</u>	<u>Substance</u>
313381 lbs		Potassium hydroxide

Product spills equal to or exceeding the threshold above trigger the reporting requirements under CERCLA for the listed hazardous substance. Report the spill or release to the National Response Center (NRC) at (800) 424-8802.

**SARA 311/312 MSDS distribution - chemical inventory - hazard identification:**

Acute Health Hazard

**SARA 313 - Supplier notification**

None of the components are listed.

**Clean Water Act (CWA) 307:** None of the components are listed.

**Clean Water Act (CWA) 311:** The following components are listed: Potassium hydroxide

**Clean Air Act (CAA) 112 accidental release prevention:** None of the components are listed.

**State regulations**

**Massachusetts Substances:** None of the components are listed.

**Pennsylvania RTK Hazardous Substances:** None of the components are listed.

**New Jersey Hazardous Substances:** None of the components are listed.

**California Prop. 65:**

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

**International regulations**

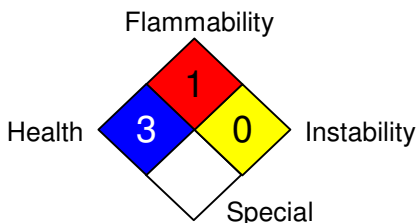
**United States inventory (TSCA 8b):** All components of this product are listed on or exempt from the TSCA Inventory.

**Canada inventory (DSL):** This product contains one or more components listed on the Canadian NDCL. All other components are on the Canadian DSL.

**Australia inventory (AICS)** Not determined.

**SECTION 16. OTHER INFORMATION**

**National Fire Protection Association (U.S.A.):**



<b>Prepared by</b>	Product Stewardship (1-713-457-2400)
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**Disclaimer**

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are

described herein, we cannot guarantee that these are the only hazards that exist.