

Material Safety Data Sheet

CW-1040

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name	CW-1040
Product use	Corrosion inhibitors and anti-scaling agents
Manufacturer	Athlon Solutions, LLC. PO Box 27727 Houston, TX 77227-7727 USA
Telephone	1-713-457-2400
In case of emergency	1-800-424-9300 (CHEMTREC) 1-703-527-3887 (Outside U.S. - Call Collect)

SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview

Signal Word	Warning
Hazard Summary	Irritant.
Physical state	liquid
Color	clear colorless. to yellow
Odor	none
Primary Routes of Entry	Inhalation. Skin.

Potential Health Effects

Inhalation	No known significant effects or critical hazards.
Skin	Prolonged or repeated contact may dry skin and cause irritation.
Eyes	Causes eye irritation.
Ingestion	No known significant effects or critical hazards.
Chronic Exposure	No known significant effects or critical hazards.

Environmental hazards

Environmental effects	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>
Tetrapotassium pyrophosphate	7320-34-5	10 - 30
Alkyl phosphonate	Proprietary	1 - 5

SECTION 4. FIRST AID MEASURES

General advice	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.
Inhalation	Move exposed person to fresh air.

Skin contact	Flush contaminated skin with plenty of water.
Eye contact	Immediately flush eye(s) with plenty of water. Remove contact lenses. Keep eye wide open while rinsing. Protect unharmed eye. If eye irritation persists, consult a specialist.
Ingestion	Rinse mouth with water. Drink plenty of water. Never give anything by mouth to an unconscious person.
Notes to physician	No information available.

SECTION 5. FIRE-FIGHTING MEASURES

Fire Hazard	No specific fire or explosion hazard.
Flash point	> 200 °F (93.3 °C)
Autoignition temperature	Not available.
Flammable limits	Lower: Not available. Upper: Not available.
<u>Extinguishing media</u>	
Suitable	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Hazardous combustion products	Carbon oxides. phosphorus oxides.
Special protective equipment for fire-fighters	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
Further information	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.
Explosion hazard	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

Personal precautions	Ensure adequate ventilation. Put on appropriate personal protective equipment (see section 8).
Environmental precautions	Avoid contact of spilled material with soil and prevent runoff entering surface waterways.
Methods for cleaning up	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

Handling	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.
Storage	Keep container closed when not in use. Keep container in a well-ventilated area.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal Protection

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

Occupational Exposure Limits

Not established

- Engineering measures** 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.
- Hygiene measures** 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.
- Protective measures** 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

- Physical state** liquid
- Color** clear colorless. to yellow
- Odor** none
- Odor Threshold** Not available.
- Melting/freezing point** -6 °C (21 °F)
- Pour point** Not available.
- Boiling/condensation point** Not available.
- Flash point** > 200 °F (93.3 °C)
- pH** 6.5 - 8.5
- Solubility** Water
- Relative density** 1.15 - 1.30
- Vapor pressure** Not available.
- Evaporation rate** Not available.
- Viscosity** Not available.
- Partition coefficient: n-octanol/water** Not available.

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

SECTION 10. STABILITY AND REACTIVITY

Chemical stability	Stable under normal conditions.
Conditions to avoid	No specific data.
Materials to avoid	Strong oxidizing agents.
Hazardous decomposition products	No hazardous decomposition products are known.
Hazardous reactions	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>
Tetrapotassium pyrophosphate	LD50 Oral	rat	> 2,980 mg/kg	not applicable
	LD50 Dermal	rabbit	> 7,940 mg/kg	not applicable
Alkyl phosphonate	LD50 Oral	rat	2,400 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	Fathead minnow	96 h	LC50	10,000 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

Not dangerous goods

TDG

Not dangerous goods

IATA

Not dangerous goods

IMDG

Not dangerous goods

Not classified as dangerous in the meaning of transport regulations.

SECTION 15. REGULATORY INFORMATION

U.S. Federal regulations

CERCLA: Hazardous substances - Reportable quantity:

None of the components are listed.

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: None of the components are listed.

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.

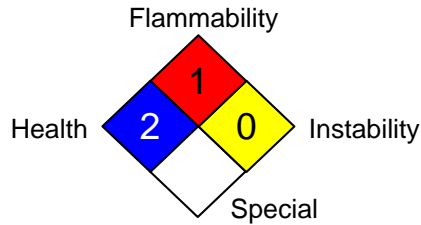
International regulations

United States inventory (TSCA 8b): On TSCA Inventory

Canada inventory (DSL): All components of this product are on the Canadian DSL list.
Australia inventory (AICS) On the inventory, or in compliance with the inventory

SECTION 16. OTHER INFORMATION

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



Prepared by Product Stewardship (1-713-457-2400)
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