



Material Safety Data Sheet

CW-350

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name CW-350
Product use Corrosion Inhibitor
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 Danger
Hazard Summary Corrosive.
Physical state liquid
Color clear amber
Odor slight
Primary Routes of Entry Inhalation. Skin.

Potential Health Effects

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

Environmental hazards

Environmental effects Harmful to aquatic organisms; may cause long-term adverse effects in the aquatic environment.

See toxicological information (section 11)

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous ingredients

<u>Name</u>	<u>CAS no.</u>	<u>Weight %</u>
Sodium Tolyltriazole	64665-57-2	30 - 60

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. Call a physician or poison control center immediately. If unconscious place in recovery position and seek medical advice. Keep respiratory tract clear.
Skin contact	Take off contaminated clothing and shoes immediately. Flush contaminated skin with plenty of water. Get medical attention immediately.
Eye contact	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.
Ingestion	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.
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.
Extinguishing media	
Suitable	Use an extinguishing agent suitable for the surrounding fire.
Hazardous combustion products	Carbon oxides, metal oxides, nitrogen 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. Fire-fighters' protective clothing will only provide limited protection.
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. 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).
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). Do

not flush into surface water or sanitary sewer system. 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. Neoprene gloves. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.
Eye protection	Safety goggles. Face-shield.
Skin and body protection	Wear as appropriate: Chemical-resistant protective suit. 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 amber
Odor	slight
Odor Threshold	Not available.
Melting/freezing point	Not available.
Pour point	Not available.
Boiling/condensation point	Not available.
Flash point	> 200 °F (93.3 °C)
pH	11.5 - 12.0
Solubility	Water
Relative density	1.1881 - 1.1981 at 68 °F (20.0 °C)

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 Oxidizing agents
Materials to avoid Strong acids. Strong bases. 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 type</u>	<u>Species</u>	<u>Dose</u>	<u>Classification</u>
Product	LD50 Oral	rat	780 mg/kg	Harmful

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 Harmful to aquatic organisms; may cause long-term adverse effects in the aquatic environment.

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	Daphnia	48 h	EC50	245.7 mg/l	-	Practically non-toxic

magna
(Water flea)

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 The product should not be allowed to enter drains, water courses or the soil. 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: 1719
Description of the goods Caustic alkali liquids, n.o.s.(Sodium Tolyltriazole, Sodium Hydroxide)
Class 8
Packing group II
Labels 8
Emergency Response 154
Guidebook Number
Environmentally hazardous no

IATA

UN number 1719
Description of the goods Caustic alkali liquid, n.o.s.(Sodium Tolyltriazole, Sodium Hydroxide)
Class 8
Packing group II
Labels 8

IMDG

UN number 1719
Description of the goods CAUSTIC ALKALI LIQUID, N.O.S.(Sodium Tolyltriazole, Sodium 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.

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: Sodium 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

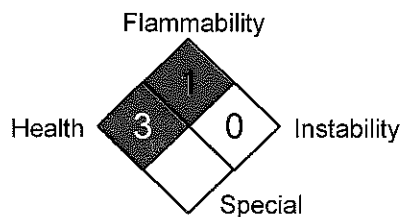
United States inventory (TSCA 8b): On TSCA Inventory

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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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.