

Material Safety Data Sheet

MS-310

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name	MS-310
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

Hazard Summary According to our experience and the information available for the product components, the product does not have any acutely harmful effects if used and handled as specified.

Physical state	liquid
Color	Clear. Light yellow. Amber.
Odor	Mild
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	May cause mild 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.

See toxicological information (section 11)

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous ingredients

<u>Name</u>	<u>CAS no.</u>	<u>Weight %</u>
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	68439-57-6	5 - 10

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	In case of contact, immediately flush skin with soap and plenty of water.

Eye contact	Remove contact lenses. Flush eyes with water as a precaution. Keep eye wide open while rinsing.
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) closed cup
Autoignition temperature	Not available.
Flammable limits	Lower: Not available. Upper: Not available.
<u>Extinguishing media</u>	
Suitable	Use an extinguishing agent suitable for the surrounding fire.
Hazardous combustion products	Carbon oxides. sulfur 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 glasses.
Skin and body protection	Wear as appropriate: Chemical-resistant apron. Footwear protecting against chemicals.
Respiratory protection	No personal respiratory protective equipment normally required.

Occupational Exposure Limits

Not established

Engineering measures	No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure 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	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. Light yellow. Amber.
Odor	Mild
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) closed cup
pH	7 - 9
Solubility	Water
Relative density	1.01 - 1.03
Vapor pressure	0.9 hPa at 100 °F (37.8 °C)
Evaporation rate	Not available.
Viscosity	1.5 mPa.s
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.
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Conditions to avoid	No specific data.
Materials to avoid	No specific data.
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

No data is available on the product itself.

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	35.1 mg/l	-	Not available.
Product	Daphnia pulex (Water flea)	48 h	EC50	46.8 mg/l	-	Not available.

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

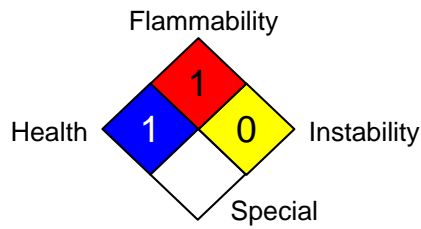
United States inventory (TSCA 8b): On TSCA Inventory

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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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.