

Replenishment Solution, RS-A

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations
Revision Date: 08/28/2015 Date of issue: 07/06/2015

Version: 1.0

SECTION 1: IDENTIFICATION

1.1. Product Identifier

Product Form: Mixture

Product Name: Replenishment Solution, RS-A

1.2. Intended Use of the Product Used to maintain fluid levels in Servomex Delta-F Oxygen sensors.

1.3. Name, Address, and Telephone of the Responsible Party

Company

Servomex, Inc.

Boston Technical Service Center

4 Constitution Way

Woburn, MA 01801-1087

T + 1-781-935-4600

1.4. Emergency Telephone Number

Emergency Number : CHEMTEL Expert Assistance Hotline
USA 1-800-255-3924
International: 01-813-248-0585 (Collect)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

Classification (GHS-US)

Not classified

2.2. Label Elements

GHS-US Labeling

No labeling applicable

2.3. Other Hazards

No additional information available

2.4. Unknown Acute Toxicity (GHS-US)

No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance

Not applicable

3.2. Mixture

Name	Product Identifier	%	Classification (GHS-US)
Water (contains trace salts)	(CAS No) 7732-18-5	> 99	Not classified

Full text of H-phrases: see section 16

SECTION 4: FIRST AID MEASURES

4.1. Description of First Aid Measures

First-aid Measures General: This product in its final packaged form is not hazardous.

First-aid Measures After Inhalation: Not required.

First-aid Measures After Skin Contact: Not required.

First-aid Measures After Eye Contact: Not required.

First-aid Measures After Ingestion: Not required.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/Injuries: Not expected to present a significant hazard under anticipated conditions of normal use.

Symptoms/Injuries After Inhalation: None under normal use.

Symptoms/Injuries After Skin Contact: None under normal use.

Symptoms/Injuries After Eye Contact: None under normal use.

Symptoms/Injuries After Ingestion: None under normal use.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If you feel unwell, seek medical advice (show the label where possible).

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media: Not combustible, select extinguishing media appropriate for surrounding fire.

Unsuitable Extinguishing Media: Not combustible.

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5.2. Special Hazards Arising From the Substance or Mixture

Fire Hazard: Not flammable.

Explosion Hazard: Product is not explosive.

Reactivity: Hazardous reactions will not occur under normal conditions.

5.3. Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire.

Firefighting Instructions: Use water spray or fog for cooling exposed containers.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Other Information: Refer to Section 9 for flammability properties.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Non-hazardous material, no special measures required.

6.1.1. For Non-emergency Personnel

Protective Equipment: Not required.

Emergency Procedures: No special measures required.

6.1.2. For Emergency Responders

Protective Equipment: Not required.

Emergency Procedures: Stop leak if safe to do so. Ventilate area.

6.2. Environmental Precautions

None.

6.3. Methods and Material for Containment and Cleaning Up

For Containment: No specific measures are necessary. Beware of slippery floors during spills.

Methods for Cleaning Up: Clean up spills immediately and dispose of waste safely. Practice good housekeeping - spillage can be slippery on smooth surface either wet or dry.

6.4. Reference to Other Sections

See Heading 8. Exposure controls and personal protection. Concerning disposal elimination after cleaning, see item 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Comply with applicable regulations.

Storage Conditions: Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Protect from freezing.

Incompatible Products: Strong reducing agents, acid chlorides, phosphorus trichloride, phosphorus pentachloride, phosphorus oxychloride.

7.3. Specific End Use(s)

No additional information available

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), NIOSH (REL), or OSHA (PEL).

8.2. Exposure Controls

Appropriate Engineering Controls : No special engineering controls are necessary. Ensure all national/local regulations are observed.

Personal Protective Equipment : Not required for normal conditions of use.

Hand Protection : Not required for normal conditions of use.

Eye Protection : Not required for normal conditions of use.

Skin and Body Protection : Not required for normal conditions of use.

Respiratory Protection : Not required for normal conditions of use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Physical State : Liquid

Appearance : Colorless

Odor : Odorless

Odor Threshold : No data available

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pH	: 6 - 8
Evaporation Rate	: No data available
Melting Point	: 0 °C (32 °F)
Freezing Point	: No data available
Boiling Point	: 100
Flash Point	: (°F)
Auto-ignition Temperature	: No data available
Decomposition Temperature	: No data available
Flammability (solid, gas)	: No data available
Vapor Pressure	: 17.5 mm Hg
Relative Vapor Density at 20 °C	: No data available
Relative Density	: No data available
Specific Gravity	: 1
Solubility	: Water: Complete (100%)
Partition Coefficient: N-Octanol/Water	: No data available
Viscosity	: No data available

9.2. Other Information No additional information available

SECTION 10: STABILITY AND REACTIVITY

- 10.1. Reactivity:** Hazardous reactions will not occur under normal conditions.
- 10.2. Chemical Stability:** Stable under recommended handling and storage conditions (see section 7).
- 10.3. Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.
- 10.4. Conditions to Avoid:** Direct sunlight. Extremely high or low temperatures. Incompatible materials.
- 10.5. Incompatible Materials:** Strong reducing agents, acid chlorides, phosphorus trichloride, phosphorus pentachloride, phosphorus oxychloride.
- 10.6. Hazardous Decomposition Products:** Not available

SECTION 11: TOXICOLOGICAL INFORMATION

- 11.1. Information On Toxicological Effects**
 - Acute Toxicity:** Not classified
 - Skin Corrosion/Irritation:** Not classified
 - pH:** 6 - 8
 - Serious Eye Damage/Irritation:** Not classified
 - pH:** 6 - 8
 - Respiratory or Skin Sensitization:** Not classified
 - Germ Cell Mutagenicity:** Not classified
 - Carcinogenicity:** Not classified
 - Reproductive Toxicity:** Not classified
 - Specific Target Organ Toxicity (Single Exposure):** Not classified
 - Specific Target Organ Toxicity (Repeated Exposure):** Not classified
 - Aspiration Hazard:** Not classified
 - Symptoms/Injuries After Inhalation:** None under normal use.
 - Symptoms/Injuries After Skin Contact:** None under normal use.
 - Symptoms/Injuries After Eye Contact:** None under normal use.
 - Symptoms/Injuries After Ingestion:** None under normal use.

SECTION 12: ECOLOGICAL INFORMATION

- 12.1. Toxicity** No additional information available
- 12.2. Persistence and Degradability** No additional information available
- 12.3. Bioaccumulative Potential** No additional information available
- 12.4. Mobility in Soil** No additional information available
- 12.5. Other Adverse Effects**
- Other Information** : Avoid release to the environment.

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SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste Disposal Recommendations: Whatever cannot be saved can be flushed to sewer. If material becomes contaminated during use, dispose of accordingly. Dispose of container and unused contents in accordance with federal, state, and local requirements.

SECTION 14: TRANSPORT INFORMATION

14.1. In Accordance with DOT Not regulated for transport

14.2. In Accordance with IMDG Not regulated for transport

14.3. In Accordance with IATA Not regulated for transport

SECTION 15: REGULATORY INFORMATION

15.1 US Federal Regulations

Water (7732-18-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2 US State Regulations Neither this product nor its chemical components appear on any US state lists.

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Revision Date : 08/28/2015

Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

SDS US (GHS HazCom)