

# MATERIAL SAFETY DATA SHEET

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## 1. IDENTIFICATION OF THE SUBSTANCE

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**Trade Name** Replenishment Solution, RS-A

**Manufacturer** Delta F Corp., 4 Constitution Way, Woburn, MA  
01801-1087, USA, Tel + 1-781-935-4600

**Emergency Contact** USA: 1-800-424-9300  
International: 1-813-979-0626 (collect)

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|---------------------------------------------------------------|--|
| <b>Supplier and contact in UK</b><br>(for use in the UK only) |  |
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## 2. COMPOSITION

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| <b>CAS #</b> | <b>Component</b>                | <b>EC Code/class</b> | <b>Concentration</b> | <b>Risk Phrase</b> | <b>Risk Description</b> |
|--------------|---------------------------------|----------------------|----------------------|--------------------|-------------------------|
| 7732-18-5    | Water<br>(contains trace salts) | 215-181-3<br>C       | 100%                 |                    |                         |

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## 3. HAZARDS IDENTIFICATION

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**Main Hazard** None

**CERCLA Ratings** (scale 0-3) Health = 0 Fire = 0 Reactivity = 1 Persistence = 0

**NFPA Ratings** (scale 0-4) Health = 0 Fire = 0 Reactivity = 1

**Potential Health Effects:**

|                     |                 |
|---------------------|-----------------|
| <b>Eye Contact</b>  | Not applicable. |
| <b>Skin Contact</b> | Not applicable. |
| <b>Ingestion</b>    | Not applicable. |
| <b>Inhalation</b>   | Not applicable. |
| <b>Chronic</b>      | Not applicable. |

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## 4. FIRST-AID MEASURES

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|                     |                 |
|---------------------|-----------------|
| <b>Skin Contact</b> | Not applicable. |
| <b>Eye Contact</b>  | Not applicable. |
| <b>Ingestion</b>    | Not applicable. |
| <b>Inhalation</b>   | Not applicable. |

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## 5. FIRE FIGHTING MEASURES

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**Special Exposure Hazard** Not applicable

**Extinguishing Media** Not combustible. Select extinguishing media appropriate to the surrounding fire conditions.

**Protective Equipment** In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

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## 6. ACCIDENTAL RELEASE MEASURES

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Non-hazardous material. Clean up of spills requires no special equipment or procedures.

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## 7. HANDLING AND STORAGE

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Keep container tightly closed. Suitable for any general chemical storage area. Protect from freezing. May react vigorously with some specific materials. Avoid contact with all materials until investigation shows substance is compatible.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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### Personal Protection

|                    |                 |
|--------------------|-----------------|
| <b>Eyes</b>        | None required.  |
| <b>Skin</b>        | None required.  |
| <b>Clothing</b>    | Not applicable. |
| <b>Respirators</b> | Not Applicable. |

|                          |                 |
|--------------------------|-----------------|
| <b>Airborne Exposure</b> | Not applicable. |
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|                        |                 |
|------------------------|-----------------|
| <b>Exposure Limits</b> | Not applicable. |
|------------------------|-----------------|

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## 9. Physical & Chemical Properties

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|                          |                                         |
|--------------------------|-----------------------------------------|
| <b>Molecular Formula</b> | H <sub>2</sub> O containing trace salts |
| <b>Physical State</b>    | Colorless, odorless liquid              |
| <b>pH</b>                | 6.0-8.0                                 |
| <b>Solubility</b>        | Complete (100%)                         |
| <b>Boiling Point</b>     | 100°C                                   |
| <b>Melting Point</b>     | 0°C                                     |
| <b>Flash Point</b>       | Not applicable                          |
| <b>Flammability</b>      | Not flammable                           |
| <b>Explosion Limits</b>  | Not applicable                          |
| <b>Specific Gravity</b>  | 1.00                                    |
| <b>Vapor Pressure</b>    | 17.5 mm Hg @ 20°C                       |

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## 10. Stability & Reactivity

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|                                         |                                                                                                                   |
|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>Chemical Stability</b>               | Stable                                                                                                            |
| <b>Conditions/Materials to Avoid</b>    | Strong reducing agents, acid chlorides, phosphorus trichloride, phosphorus pentachloride, phosphorus oxychloride. |
| <b>Hazardous Decomposition Products</b> | Not applicable.                                                                                                   |
| <b>Hazardous Polymerization</b>         | Has not been reported                                                                                             |

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## 11. Toxicological Information

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|                         |                                           |
|-------------------------|-------------------------------------------|
| <b>Toxicity (water)</b> | CAS# 7732-18-5: Oral, rat: LD50 >90 mL/kg |
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**Carcinogen Status**

Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA

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**12. Ecological Information**

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|----------------------|-----------------------------|
| <b>Mobility</b>      | Completely soluble in water |
| <b>Degradability</b> | Not applicable.             |
| <b>Accumulation</b>  | Not applicable.             |
| <b>Ecotoxicity</b>   | Applicable.                 |

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**13. Disposal Considerations**

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|                       |                                                                                                                                                                                                                            |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Waste Disposal</b> | 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. |
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**14. Transportation Information**

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Not regulated.

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**15. Regulatory Information**

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**16. Other Information**

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**NFPA Ratings:** Health: 0 Flammability: 0 Reactivity: 0

MSDS Creation Date: 09/30/94

MSDS Revised: December 7, 2006

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