Material Safety Data Sheet

Section 1 - Chemical Product and Company Identification

Catalog Numbers: AD1596, AD1596-DB, AD1598

Product Identity: OP Titrant, Organophosphonate Solution No. 2

Chemical Family: Not Applicable Synonyms: Not Applicable

Recommended Use: Laboratory chemicals

Manufacturer's Name: AquaPhoenix Scientific, Inc., 9 Barnhart Dr., Hanover, PA 17331, (866) 632-1291

Emergency Contact Number (24hr): InfoTrac (800) 535-5053

Issue Date: 1/8/07

Revision Date: 6/5/08, 04/16/10

Section 2 – Hazard Identification

Emergency Overview: Non-flammable, non-corrosive, non-toxic. Does not present significant health

hazards. Wash areas of contact with water.

Appearance: Clear, purple colored liquid **Odor:** Odorless

Target Organs: Eyes, skin

Potential Health Effects/ Routes of Exposure:

Eyes: May cause slight irritation. **Skin:** May cause slight irritation

Ingestion: Large doses may cause upset stomach

Inhalation: Not likely to be a hazard

Chronic Effect / Carcinogenicity: None (IARC, NTP, OSHA) **Aggravated Medical Conditions** No information available These chemicals are considered hazardous by OSHA.

See section 11 for toxicological information. See section 12 for potential environmental effects.

Section 3 - Composition, Information on Ingredients

Water, purified, CAS# 7732-18-5, 99-100% w/v

Section 4 - First Aid

Eyes: Immediately flush eyes with water for at least 15 minutes. Immediately get medical assistance.

Skin: Flush with water for 15 minutes. Get medical assistance if irritation develops. **Ingestion:** DO NOT induce vomiting. Dilute with water or milk. Get medical assistance.

Inhalation: Remove to fresh air. Give artificial respiration if necessary. If breathing is difficult, give

oxygen.

Notes to Physician Treat symptomatically.

Section 5 – Fire Fighting Measures

Flash Point: Not Applicable Autoignition Temperature No information available. Explosion Limits Upper No data available Lower No data available

Extinguishing Media: Use means suitable to extinguishing surrounding fire.

Unsuitable Extinguishing Media: No information available

Fire & Explosion Hazards: Not considered to be a fire or explosion hazard.

Fire Fighting Instructions / Equipment: Use normal procedures. Use protective clothing. Use NIOSH-

approved breathing equipment.

Hazardous Combustion Products: No information Available **Sensitivity to mechanical impact** No information available.

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Sensitivity to static discharge No information available.

Specific Hazards Arising from the Chemical: No information available

NFPA Rating: (estimated) Health: 1; Flammable: 0; Reactivity: 0

Section 6 - Accidental Release Measures

Personal Precautions Use personal protective equipment. Ensure adequate ventilation.

Environmental Precautions Not relevant considering the small amounts used.

Methods for Containment and Clean Up Absorb with suitable material. Always obey local regulations.

Section 7 - Handling and Storage

Handling: Wash hands after handling. Avoid contact with skin and eyes.

Storage: Protect from freezing and physical damage.

<u>Section 8 – Exposure Controls, Personal Protection</u>

Water, purified, CAS# 7732-18-5, ACGIH TLV: NA, OSHA PEL: NA

Engineering Measures/ General Hygiene: Normal ventilation is adequate. Ensure eyewash and safety

showers are available.

Personal Protection Equipment: Skin Protection: Chemical resistant gloves.

Eye/Face Protection: Safety Glasses or goggles. Respiratory Protection: Normal ventilation is

adequate

Section 9 – Physical and Chemical Properties

Appearance/Physical State: Clear, purple colored liquid

Odor: Odorless % Volatility: No Information Available
Boiling Point: Approx 100C Specific Gravity: No Information Available
Melting Point: Below 0 Vapor Pressure: No Information Available

Vapor Density: No Information Available Flash Point: Not Applicable

Evaporation Rate: No Information Available Coefficient of water/oil distribution: Not Available

pH: No Information Available Odor Threshold: Not Available

Flammability: No Information Available Decomposition Temperature: No Information Available

Solubility: Miscible Partition Coefficient n-octanol/water: No data

available

Relative Density: No Information Available Molecular Weight: Not available

Section 10 - Stability and Reactivity

Chemical Stability: Stable under normal conditions of use and storage.

Incompatible Materials: Strong Oxidizing agents, Lithium, Bromine, Trifluoride.

Conditions to Avoid: No Information Available.

Hazardous Decomposition Products: Oxides of Sodium and fumes of Chloride

Hazardous Polymerization: Does not occur

Hazardous Reactions: None under normal processing.

Section 11 – Toxicological Information

Routes of Exposure/Symptoms/Corrosiveness – See Section 2

LD50 orl-rat: No Information Available LC50 inhalation-rat: No Information Available

Irritation: No Information Available

Toxicologically Synergistic: No Information Available

Chronic Exposure

Carcinogenicity No Information Available
Sensitization No information available.
Mutagenic Effects No information available.
Reproductive Effects No information available.

Developmental Effects (Immediate/Delayed) No information available.

Teratogenicity No information available.

Other Adverse Effects No Information Available.

Endocrine Disruptor Information No information available

Section 12 – Ecological Information

Ecotoxicity: No Information Available

Persistence and Degradability: No Information Available Mobility: No Information Available

Bioaccumulation/ Accumulation: No Information Available

Section 13 – Disposal Considerations

Dilute with water. Comply with all local, state, and federal regulations.

<u>Section 14 – Transport Information</u>

DOT - Not Regulated

Section 15 - Regulatory Information (not meant to be all inclusive)

OSHA Status: These chemicals are not considered hazardous by OSHA.

Canada DSL: Not available.

TSCA: The components of this solution are listed on the TSCA Inventory

SARA Title III Section 313: Not Applicable

RCRA Status: Not Applicable

CERCLA Reportable Quantity: Not Applicable

WHMIS: Not Applicable.

Section 16 - Additional Information

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