

## Material Safety Data Sheet

### **SECTION 1 – IDENTIFICATION OF SUBSTANCE/PREPARATION AND COMPANY**

**Product Name:** A<sub>2</sub>O Osmometer System Fluid  
**Product Number:** 200222  
**Manufacturer/Supplier:** Advanced Instruments, Inc.  
Two Technology Way  
Norwood, MA 02062  
1-781-320-9000  
**Origin:** USA  
**Date of Issue:** 2011-08-15

**Chemical Identification(s):** Ozonated Water; H<sub>2</sub>O + O<sub>3</sub>  
**Intended Use:** The A<sub>2</sub>O Osmometer System Fluid is used to clean the pipetting system of the A<sub>2</sub>O Osmometer.

### **SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS**

**Component:**

Water

**CAS #:**

7732-18-5

**Synonyms:**

H<sub>2</sub>O

**Percent:**

> 99.99%

**Component:**

Ozone

**CAS #:**

10028-15-6

**Synonyms:**

O<sub>3</sub>

**Percent:**

< 0.01%

### **SECTION 3 – HAZARDS IDENTIFICATION**

**Health**

**Routes of Entry:**

Inhalation, ingestion, or skin contact.

**Health Hazards:**

Non-corrosive, non-irritant, non-sensitizer, and non-permeator to skin. Non-irritating and non-corrosive to eyes. Non-hazardous in case of ingestion or inhalation. Non-irritant, non-sensitizer, and non-corrosive to lungs.

**Carcinogenicity:**

Not available.

**Symptoms of Exposure:**

Non-corrosive, non-irritant, non-sensitizer, and non-permeator to skin. Non-irritating and non-corrosive to eyes. Non-hazardous in case of ingestion or inhalation. Non-irritant, non-sensitizer, and non-corrosive to lungs..

**Medical Conditions Aggravated by Exposure:**

None Indicated.

### **SECTION 4 – FIRST AID MEASURES**

**Emergency and First Aid Procedures:**

Not available.

**Eyes:**

Not applicable.

**Skin:**

Not applicable.

**Inhalation:**

Not applicable.

**Ingestion:**

Not applicable.

## **SECTION 5 – FIRE FIGHTING MEASURES**

**Flash Point (°F):**

Non-flammable.

**Flammable Limits:**

LEL: Not applicable.

UEL: Not applicable.

**Extinguishing Media:**

Not applicable.

**Fire Fighting Procedures:**

Not applicable.

**Fire and Explosion Hazards:**

Not applicable.

## **SECTION 6 – ACCIDENTAL RELEASE MEASURES**

**Spill Response:**

For small spills mop up or absorb with an inert dry material and place in an appropriate waste disposal container. For large spills absorb with an inert dry material and place in an appropriate waste disposal container. Clean up and place in closed container for proper disposal as described under, Section 13, Disposal Considerations. Comply with local, state, and country regulations on reporting releases. Refer to Section 15, Regulatory Information, for regulatory data.

## **SECTION 7 – HANDLING AND STORAGE**

Not applicable.

## **SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Ventilation, Respiratory Protection, Protective Clothing, Eye Protection:**

Non required.

**Work/Hygienic Practices:**

Not applicable.

## **SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance:**

Clear liquid.

**Boiling Point:**

100°C (212 °F).

**Specific Gravity (H<sub>2</sub>O = 1):**

1.

**Melting Point (°C):**

Not available.

**Evaporation Rate (BuAc = 1):**

Not available.

**Vapor Pressure:**

2.3 kPa (@20°C).

**Vapor Density (AIR = 1):**

0.62.

**Volatility:**

Not available.

**Solubility in Water (%):**

Not applicable.

**Danger of Explosion:**

Product does not present an explosion hazard.

## **SECTION 10 – STABILITY AND REACTIVITY**

**Stability:**

Stable.

**Conditions to Avoid:**

Not available.

**Materials to Avoid:**

Not available.

**Hazardous Decomposition:**

Not available.

**Hazardous Polymerization:**

Does not occur.

**Additional Information:**

Not available.

**SECTION 11 – TOXICOLOGICAL INFORMATION**

**Symptoms of Exposure:**

Not available.

**Medical Conditions Aggravated by Exposure:**

None indicated.

**Routes of Entry:**

Inhalation, ingestion, or skin contact.

**Carcinogenicity:**

Not available.

**Toxicity Data:**

Not available.

**Toxicological Findings:**

Not available.

**SECTION 12 – ECOLOGICAL INFORMATION**

**Ecological effects:**

Not available.

**General notes:**

Not available.

**SECTION 13 – DISPOSAL CONSIDERATIONS**

**EPA Waste Numbers:**

Not available.

**Treatment:**

ALWAYS CONTACT A PERMITTED WASTE DISPOSAL SITE (TSD) TO ASSURE COMPLIANCE WITH ALL CURRENT LOCAL, STATE, AND COUNTRY REGULATIONS.

**Other:**

Abfallschlüsselnummern in Austria (ÖNORM S2100): 59305

**SECTION 14 – TRANSPORTATION INFORMATION**

**DOT Proper Shipping Name:**

Not regulated.

**DOT ID Number:**

Not regulated.

**SECTION 15 – REGULATORY INFORMATION**

**Hazard symbols:**

Not available.

**Hazard-determining components of labeling:**

Not available.

**Risk phrases:**

Not available.

**Safety phrases:**

Not available.

**Water hazard class:**

Not applicable.

**SECTION 16 – OTHER INFORMATION**

**Comments:**

None.

**NFPA Hazard Ratings:**

Health: 0

Flammability: 0

Reactivity: 0

Special Hazards: Not available.

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