

475mV ORP Solution
Health & Safety Data Sheets

SECTION 1 – IDENTIFICATION OF PREPARATION

Product Name:

> 475mV ORP Solution

Code No:

>AS5475

Application:

> ORP solution for Gold and Platinum Electrodes

Manufacturer:

Aquarius Technologies Pty Ltd

Address:

1/23 Richland Avenue

Coopers Plains Qld 4108

Australia

SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Characterization:

>Solution in water

Chemical Composition:

> Sulfuric Acid 5%

SECTION 3 – HAZARD IDENTIFICATION

Irritating to eyes and skin

SECTION 4 – FIRST AID MEASURES

Eye Contact:

> Wash thoroughly with plenty of water
OBTAIN MEDICAL ATTENTION

Inhalation:

>Remove from exposure, rest
and keep warm

>In severe cases OBTAIN MEDICAL
ATTENTION

Ingestion:

>Wash out mouth thoroughly with water
and give plenty of water to drink
OBTAIN MEDICAL ATTENTION

Skin Contact:

>Wash with plenty of water. Remove
contaminated clothing and wash
re-use. Unless contact has been
slight OBTAIN MEDICAL
ATTENTION

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SECTION 5 – FIRE FIGHTING MEASURES

Special Risks:

>May evolve toxic fumes
fire

Fire Extinguisher:

>N/A

Special Fire Precautions:

>None

SECTION 6 – ACCIDENTAL RELEASE MEASURES

In Case Of Accidental Spill Or Release:

>Wear suitable protective clothing.

>If local regulations permit, mop up cautiously with plenty of water and run to waste, diluting greatly with running water. Otherwise transfer to container and arrange removal by disposal company.

>Wash site of spillage thoroughly with water.

SECTION 7 – HANDLING & STORAGE

Handling:

>Do not eat or drink while handling this material

>Wash hands and face after working with this material

Storage:

>Store at room temperature (@15-25°C)

>Keep container closed and protected from direct sunlight

>Keep away from children

SECTION 8 – EXPOSURE CONTROL/PERSONAL PROTECTION

As appropriate to quantity handled

Respiratory Protection:

>Self-contained breathing apparatus

>Fume hood

Protective Gloves:

>Rubber or Plastic

Eye Protection:

>Goggles or face shield

SECTION 9 – PHYSICAL/CHEMICAL PROPERTIES

Appearance & Odour:

>Light yellow liquid

>Odourless

Water Reactivity:

>No data

Solubility in Water:

>Miscible in all proportions

Melting Point:

>Not determined

Boiling Point:

>Not determined

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SECTION 10 – STABILITY AND REACTIVITY

Stability:

>Stable

Substances And Conditions To Be Avoided:

>Metal, metal alloys, bases, acids, combustible substances, organic solvents, halogen-halogen compounds, permanganates, peroxides

Hazardous Decomposition Compounds:

>Sulfur oxides

SECTION 11 – TOXICOLOGICAL INFORMATION

In Case of Eye Contact:

>Severe irritation

In Case of Skin Contact:

>Irritation

In Case of Inhalation:

>Irritation of mucous membranes, coughing and dyspnoea

In Case of Ingestion:

>Irritation of mucous membranes in the mouth, pharynx, esophagus and gastrointestinal tract

SECTION 12 – ECOLOGICAL INFORMATION

>Do not allow to enter drinking water supplies, wastewater or soil! Harmful effect due to pH shift

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste Disposal:

>In compliance with current regulations

>Chemicals are generally classified as special waste and thus covered by local regulations. Contact authorities or disposal companies for advice.

>Wash empty containers before recycling

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SECTION 14 – TRANSPORT INFORMATION

UN-No.: 2796	IMDG class: 8
IMO: 8/2796	Packaging Group: II
IATA: 2796	Packaging Group: II

Correct technical name: SULFURIC ACID (with not more than 51% acid)

SECTION 15 – REGULATORY INFORMATION

Labeling According to EEC Directives:

Symbol: **Xi** **Irritant**

R-phrases: *Irritating to eyes and skin*
R36/38

S-phrases: *In case of contact with eyes, rinse immediately with plenty of water and
S26-30-36 medical advice. Never add water to this product. Wear suitable
Protective clothing.*

SECTION 16 – OTHER INFORMATION

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