

# MATERIAL SAFETY DATA SHEET

## ORP Quinhydrone 255 mV Solution (ECORPQUIN255)

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### EUTECH INSTRUMENTS PTE LTD

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### PRODUCT IDENTIFICATION

Product Name:	ORP Quinhydrone 255 mV Solution
Common Synonyms:	Nil
Chemical Family:	Aromatic Compounds
Formula:	Complex
Formula Weight:	NA
CAS No:	NA
Product Use:	Laboratory and Industrial Reagent
Eutech SAF-T-Data System:	Health = 2 Moderate, Flammability = 1 Slight, Reactivity = 1, Contact = 1

### SAFETY

For laboratory and industrial use only. Not for internal consumption. Avoid contact with eyes and skin.

<b>Component A: Quinhydrone</b>	
CAS NO:	106-34-3
WEIGHT:	1%
OSHA/PEL	NA
ACGIH/TLV	NA
<b>Component B: Potassium Hydrogen Phthalate</b>	
CAS NO:	NA
WEIGHT	NA
OSHA/PEL	NA
ACGIH/TLV	NA

### PHYSICAL DATA

Appearance & Odor:	Liquid, black & strong pungent odor
Physical State:	Liquid
Boiling Point:	121.4 °C
Vapour Pressure (mmHg):	NA
Melting Point:	NA
Vapour Density (T=0 °C):	7.6

Specific Gravity:	1.4
% Volatiles by Volume:	0
Solubility:	NA
pH:	4
Odor Threshold (ppm):	NA
Coefficient Water/Oil Distribution:	1
Evaporation Rate:	NA

#### FIRE AND EXPLOSION DATA

Flash Point (Close Cup):	NA
Auto ignition Temperature:	NA
Flammable Limits:	Upper, NA Lower, NA
Fire Extinguishing Media:	Acid waste. Use extinguishing media appropriate for surrounding fire.
Special Fire-fighting procedures:	Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face-piece operated in positive pressure mode.
Unusual Fire and Explosion Hazards:	None identified
Toxic Gases produced:	None identified
Explosion data-sensitivity to mechanical impact:	None identified.
Explosion data-sensitivity to static discharge:	None identified.

#### HEALTH HAZARD DATA

Threshold limit value (TLV/TWWA):	Not established.
Toxicity of Components:	Not established
Carcinogenicity:	None identified.
Reproductive effects:	None identified.
Inhalation:	Irritation of upper respiratory tract
Skin contact:	Irritation
Eye contact:	Irritation
Skin absorption:	None identified
Ingestion:	Ingestion of large quantities may cause gastro-intestinal irritation, nausea, vomiting, diarrhea
Chronic effects:	None identified.
Target organs:	None identified
Primary routes of entry:	Inhalation

#### EMERGENCY AND FIRST-AID PROCEDURES

Ingestion :	If swallowed and the person is conscious, flush out stomach and seek medical attention
Inhalation:	Remove to fresh air
Skin contact:	Irritation
Eye contact:	In case of eye contact, immediately flush with plenty of water
Acute:	None
Chronic:	No

Flammability:	No
Pressure:	No
Reactivity:	Nil.
Extremely hazardous substance:	No
Toxic chemicals:	None
TSCA Inventory:	No

#### REACTIVITY DATA

Stability:	Stable
Condition to avoid:	Humidity
Incompatibles:	Nil
Decomposition products:	Nil
Hazardous polymerization:	Will not occur

#### SPILL AND DISPOSAL PROCEDURES

Steps to be taken in the events of a spill or discharge:	Wash away with water.
Disposal procedure:	Dispose in accordance with all applicable federal, state and local environmental regulations.
Ventilation:	Use adequate general or local exhaust ventilation
Respiratory protection:	None
Eye/Skin protection:	Safety goggles, proper gloves, lab coat

#### STORAGE AND HANDLING PRECAUTIONS

SAF-T-Data*Storage colour code:	Orange.
Storage requirements:	Keep container tightly closed. Keep in cool dark area away from light.

#### TRANSPORTATION DATA AND ADDITIONAL INFORMATION

##### Domestic (D.O.T.)

Proper shipping name:	N/A (Not Regulated for Shipping)
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##### International (I.M.O.)

Proper shipping name:	N/A (Not Regulated for Shipping)
Marine pollutants:	Acid

##### Air (I.C.A.O.)

Proper shipping name:	N/A (Not Regulated for Shipping)
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