



## MATERIAL SAFETY DATA SHEET

May be used to comply with OSHA's Hazard Communications Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

Product Name IonGen™ Probe  
Product ID

Revised 11/12

### SECTION 2 PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** IonGen™ Probe  
**SYNONYMS:** N/A  
**PRODUCT CODES:**  
**MANUFACTURER:** Aquascape, Inc.  
**DIVISION:** N/A  
**ADDRESS:** 901 Aqualand Way, St. Charles, IL 60174  
**EMERGENCY PHONE:** 866-877-6637 **CANADA:** 866-766-3426  
**OTHER CALLS:** 630-659-2000 **FAX:** 630-659-2100  
**CHEMICAL NAME:** Copper **CHEMICAL FAMILY:** Metal  
**CHEMICAL FORMULA:** Cu  
**PREPARED BY:** Aquascape, Inc.

### SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS

**HAZARDOUS INGREDIENTS** None known.  
**COMPONENTS** All ingredients not precisely identified are proprietary.

<b>OTHER INGREDIENTS:</b>	Copper
<b>CAS NO.</b>	7440-50-8
<b>% WT</b>	>99
<b>OVER 3%</b>	Yes

OSHA PEL: N/A for solid copper  
ACGIH TLV: N/A for solid copper  
**SARA 313 REPORTABLE** Yes

### SECTION 3 HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW:**  
**Appearance:** Solid  
**Odor:** Odorless

**POTENTIAL HEALTH EFFECTS**  
**EYES:** None known.

**SKIN:** None known.  
**INGESTION:** None known.  
**INHALATION:** N/A  
**ACUTE AND CHRONIC HEALTH HAZARDS:** None known.  
**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** None known.

**CARCINOGENICITY**

OSHA: N/A  
IARC: N/A  
ACGIH: N/A  
OTHER: N/A  
NTP: N/A

**SECTION 4**

**FIRST AID MEASURES**

**EYES:** Flush eyes thoroughly with running water for 15 minutes while keeping the eyelids wide open.

**SKIN:** Wash the affected area thoroughly with soap and water.  
Clean Clothing  
Consult physician if redness or irritation persists.

**INGESTION:** Thoroughly rinse mouth with water  
Drink plenty of fluids  
Slight gastrointestinal discomfort may occur

**INHALATION:** N/A

**SECTION 5**

**FIRE-FIGHTING MEASURES**

**SUITABLE EXTINGUISHING MEDIA** any

**EXTINGUISHING MEDIA WHICH MUST NOT BE USED FOR SAFETY REASONS** none

**SPECIAL EXPOSURE HAZARDS IN A FIRE** none

**SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS** none

**OTHER INFORMATION** none

**SECTION 6**

**ACCIDENTAL RELEASE MEASURES**

**PERSONAL PRECAUTIONS**

Follow protective measures provided in sections 5 and 8

Keep away materials and products which are incompatible with product specified in section 10

**METHODS FOR CLEAN UP**

Wear suitable clothing and protective equipment.

Recover excess material.

Dispose of in accordance with Section 13.

**SECTION 7**

**HANDLING AND STORAGE**

**HANDLING**

Maintain good housekeeping practices

Wash hands after use

**STORAGE**

Keep in a cool, dry place

Keep away from children

Keep away from heat

Keep away from incompatible products specified in section 10

**SECTION 8**

**EXPOSURE CONTROLS/PERSONAL PROTECTION**

**ENGINEERING CONTROLS:**

n/a

**VENTILATION:**

n/a

**RESPIRATORY PROTECTION:**

none required

**EYE PROTECTION:**

ANSI approved safety glasses with side protection or goggles.

**SKIN PROTECTION:**

Wear suitable protective clothing

**HYGIENIC PRACTICES:**

Handle in accordance with good hygiene and safety practice.

**SECTION 9**

**PHYSICAL AND CHEMICAL PROPERTIES**

**GENERAL INFORMATION**

**APPEARANCE:**

Solid

**ODOR:**

Odorless

**IMPORTANT HEALTH SAFETY AND ENVIRONMENTAL INFORMATION**

**pH:**

not applicable

**BOILING POINT**

not applicable

**FLASH POINT**

not applicable

**MELTING POINT**

940 C

**FLAMMABILITY (SOLID, GAS)**

non flammable

**EXPLOSIVE PROPERTIES**

non-explosive

**VAPOR PRESSURE:**

not applicable

**VAPOR DENSITY:**

not applicable

**BULK DENSITY**

8.96 g/cm<sup>2</sup>

**EVAPORATION RATE:** not applicable  
**SOLUBILITY IN WATER:** not applicable  
**DECOMPOSITION TEMPERATURE:** not applicable  
**VISCOSITY:** not applicable

## SECTION 10 STABILITY AND REACTIVITY

**STABILITY:** Stable under normal conditions of use.  
**CONDITIONS TO AVOID:** none  
**INCOMPATIBILITY (MATERIAL TO AVOID):** none  
**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** none known  
**HAZARDOUS POLYMERIZATION:** n/a  
**CONDITIONS TO AVOID:** Excessive heat and contamination of any kind

## SECTION 11 TOXICOLOGICAL INFORMATION

**TOXICOLOGICAL DATA:**  
**ACUTE ORAL TOXICITY:** none known  
**ACUTE INHALATION TOXICITY:** none known  
**ACUTE DERMAL IRRITATION/CORROSION:** none known  
**SKIN IRRITATION:** none  
**EYE IRRITATION:** none  
**SENSITIZATION:** none  
**CHRONIC TOXICITY:** n/a  
**CHRONIC TOXICITY/ CARCINOGENIC DESIGNATION:** none known

## SECTION 12 ECOLOGICAL INFORMATION

**ECOTOXICITY EFFECTS:**  
**ACUTE TOXICITY:** none known  
**MOBILITY:** not applicable  
**PERSISTENCE AND DEGRADABILITY:** none known  
**BIOACCUMULATIVE POTENTIAL:** is not known to accumulate

**SECTION 13****DISPOSAL CONSIDERATIONS**

<b>WASTE TREATMENT:</b>	Dispose of within current local and state regulations. No special method required.
<b>PACKAGING TREATMENT:</b>	Consult federal, state, and local regulations regarding the proper disposal of emptied containers.
<b>RCRA HAZARD CLASS:</b>	n/a

**SECTION 14****TRANSPORT INFORMATION****U.S. DEPARTMENT OF TRANSPORTATION**

**PROPER SHIPPING NAME:** (NOI) Chemicals Not Otherwise Indexed Not Hazardous  
**HAZARD CLASS:** Not Regulated  
**ID NUMBER:** n/a  
**LABEL STATEMENT:** none

**WATER TRANSPORTATION**

**PROPER SHIPPING NAME:** (NOI) Chemicals Not Otherwise Indexed Not Hazardous  
**HAZARD CLASS:** Not Regulated  
**ID NUMBER:** n/a  
**LABEL STATEMENT:** none

**AIR TRANSPORTATION**

**PROPER SHIPPING NAME:** (NOI) Chemicals Not Otherwise Indexed Not Hazardous  
**HAZARD CLASS:** Not Regulated  
**ID NUMBER:** n/a  
**LABEL STATEMENT:** none

**SECTION 15****REGULATORY INFORMATION**

Preparation does not contain ingredients listed as a dangerous substance in Annex 1 of the EEC directive 67/548.

**SECTION 16****OTHER INFORMATION****KEEP OUT OF REACH OF CHILDREN**

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