



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.

| | |
|---------------------------|-----------|
| OTHER INGREDIENTS: | Copper |
| CAS NO. | 7440-50-8 |
| % WT | >99 |
| OVER 3% | 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/cm²

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**

| | |
|-----------------------------|----------------------------------------------------------------------------------------------------|
| WASTE TREATMENT: | Dispose of within current local and state regulations. No special method required. |
| PACKAGING TREATMENT: | Consult federal, state, and local regulations regarding the proper disposal of emptied containers. |
| RCRA HAZARD CLASS: | 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**

Although the information and recommendations set forth in this sheet are believed to be correct as of the date hereof, Aquascape, Inc. makes no representation as to the completeness or accuracy of such information and recommendations. Aquascape, Inc. shall in no event be responsible for any damages of whatsoever nature directly or indirectly resulting from the publication or use of or reliance upon such information and recommendations. You are encouraged to advise anyone working with or exposed to such products of the information contained herein.

No Warranty, either expressed or implied, of merchantability or fitness or of any other

nature with respect to the product or to the information and recommendations herein made hereunder.