



## 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** Barley Straw Extract  
**Product ID** 98903, 98904, 98905, 98906

Revised 6/12

### SECTION 1

#### PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Barley Straw Extract  
**SYNONYMS:** n/a  
**PRODUCT CODES:** 98903, 98904, 98905, 98906  
**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:** Stabilized Barley Extract **CHEMICAL FAMILY:** Herbal Extract  
**CHEMICAL FORMULA:** n/a  
**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>	Water	Proprietary blend
<b>CAS NO.</b>	7732-18-5	n/a
<b>% WT</b>	@	@
<b>OVER 3%</b>	yes	yes

OSHA PEL: none  
ACGIH TLV: n/a  
**SARA 313 REPORTABLE** no

### SECTION 3

#### HAZARDS IDENTIFICATION

##### EMERGENCY OVERVIEW:

**Appearance:** Caramel Colored Liquid

<b>Odor:</b>	Sweet/earthy
<b>POTENTIAL HEALTH EFFECTS</b>	
<b>EYES:</b>	Slight Irritation may
<b>SKIN:</b>	none
<b>INGESTION:</b>	Excessive ingestion may cause nausea or gastrointestinal discomfort
<b>INHALATION:</b>	n/a
<b>ACUTE AND CHRONIC HEALTH HAZARDS:</b>	None known.
<b>MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:</b>	None known.
<b>CARCINOGENICITY</b>	
OSHA:	n/a
IARC:	n/a
ACGIH:	n/a
OTHER:	n/a
NTP:	n/a

## SECTION 4

### FIRST AID MEASURES

<b>EYES:</b>	Flush eyes thoroughly with running water for 15 minutes while keeping the eyelids wide open.
<b>SKIN:</b>	Wash the affected area thoroughly with soap and water.  Clean Clothing  Consult physician if redness or irritation persists.
<b>INGESTION:</b>	Thoroughly rinse mouth with water  Drink plenty of fluids  Slight gastrointestinal discomfort may occur
<b>INHALATION:</b>	n/a

## SECTION 5

### FIRE-FIGHTING MEASURES

<b>SUITABLE EXTINGUISHING MEDIA</b>	any
<b>EXTINGUISHING MEDIA WHICH MUST NOT BE USED FOR SAFETY REASONS</b>	none
<b>SPECIAL EXPOSURE HAZARDS IN A FIRE</b>	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

#### ENVIRONMENTAL PRECAUTIONS METHODS FOR CLEAN UP

Rinse spilled product to dilute areas of direct contact.

Wear suitable clothing and protective equipment

Recover or mop up excess material and reuse wherever possible.

Absorb unusable product with suitable material and dispose of in accordance with Section 13.

## SECTION 7

### HANDLING AND STORAGE

#### HANDLING

Maintain good housekeeping practices

Wash hands after use

Avoid contact with potable water or food

#### STORAGE

Keep in a dry place

Keep away from direct sunlight

Keep away from heat

Keep away from incompatible products specified in section 10

Keep only in the original container at temperature not

exceeding 40C (104F)

## 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:** Caramel Colored Liquid  
**ODOR:** Sweet/earthy

**IMPORTANT HEALTH SAFETY AND ENVIRONMENTAL INFORMATION**

**pH:** Range 6.5 - 7.5  
**BOILING POINT** 100C  
**FLASH POINT** not applicable  
**MELTING POINT** not applicable  
**FLAMMABILITY (SOLID, GAS)** non flammable  
**EXPLOSIVE PROPERTIES** non-explosive  
**VAPOR PRESSURE:** not applicable  
**VAPOR DENSITY:** not applicable  
**BULK DENSITY** n/a  
**EVAPORATION** not determined  
**SOLUBILITY IN WATER:** dispersible  
**DECOMPOSITION TEMPERATURE** not applicable  
**VISCOSITY:** Equivalent to water  
**SPECIFIC GRAVITY** 1.01

**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** slight

**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:** Chemicals Not Otherwise Indexed (NOI) Not Hazardous

**HAZARD CLASS:** Not Regulated

**ID NUMBER:** n/a

**LABEL:** none

**STATEMENT:**

### WATER TRANSPORTATION

**PROPER SHIPPING NAME:** Chemicals Not Otherwise Indexed (NOI) Not Hazardous

**HAZARD CLASS:** Not Regulated

**ID NUMBER:** n/a

**LABEL:** none

### AIR TRANSPORTATION

**PROPER SHIPPING NAME:** Chemicals Not Otherwise Indexed Not Hazardous

**HAZARD CLASS:** Not Regulated  
**ID NUMBER:** n/a  
**LABEL** 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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