

## Section 1 : IDENTIFICATION

**Product Identifier :** QUANTUM HSC

**Brand :** QUANTUM

**Product Number** is based on Product Size. For more information request for brochure/ refer one.

**Manufacturer:** Ecological Laboratories Inc.

**Address :** 2525 N.E. 9<sup>th</sup> Avenue  
Cape Coral, FL 33909

**Phone :** (800)645-2976

**Emergency :** (800) 424-9300

**Outside USA :** (202) 483 7616

**Recommended Use:** Hydrolyses thatch and detritus.

## Section 2 : HAZARD(S) IDENTIFICATION

**Hazard Classification :** Irritant

**Signal Word :** Caution

**Hazard Statement:** Product is non-toxic. May cause eye and skin irritation over a long period of exposure.

**Pictograms :**



**Precautionary Statements:** Keep out of reach of children. Do not ingest. If swallowed, induce vomiting if advised to do so by a physician. May cause eye irritation. If eye contact is made, flush eyes with clean, clear water.

**Description of hazard not otherwise classified:** NA

**Mixture containing an ingredient with unknown toxicity :** NA

## Section 3 : COMPOSITION/INFORMATION ON INGREDIENTS

**Chemical Name :** NA

**Common Name & Synonyms :** QUANTUM HSC

**Chemical Abstracts Service (CAS) number and unique identifiers:**

Active Ingredients: Bacterial Cultures – 1%

Inert Ingredients : Humic Acid – 1% ; Deionized Water - CAS# 7732-18-5 – 98%

**Impurities & Stabilizing Additives :** NA

**Chemical Name and Concentration of all ingredients (classified as health hazard) :** NA

## **Section 4 : FIRST AID MEASURES**

**Note:** The product has been classified as a non-toxic substance.

### **If inhaled**

Prolonged contact may cause slight irritation. Supply fresh air immediately. Rinse mouth and nose with water. Contact a physician if necessary.

### **In case of skin contact**

May cause skin irritation. Slight redness on hands and forearms if individual has a history of dermal allergic reactions. Dermatitis and skin sensitization can develop after repeated and/or prolonged contact. Rinse with water. Remove contaminated clothing and footwear. If symptoms persist, call a physician. May cause infection if in contact with open wounds.

### **In case of eye contact**

This material may cause eye irritation. Rinse with plenty of lukewarm water, also under eyelids for fifteen minutes. If symptoms persist, call a physician.

### **If swallowed**

Excessive ingestion may cause nausea or diarrhea. Irritation of the mouth, pharynx, esophagus and stomach can develop. Rinse mouth with water. Gargle with water. If uneasy symptoms persist, call a physician. Induce vomiting only if advised by physician or poison control. Call poison control.

**Recommendation for immediate medical care:** Proceed as mentioned above. Call poison control if ingested. Seek medical attention if irritation persists. Remove contaminated clothing and footwear; wash with soap and water if it comes in contact with skin.

## **Section 5 : FIRE FIGHTING MEASURES**

### **Suitable extinguishing media**

Use extinguishing measures that are appropriate to local circumstances and the environment.

### **Special hazards arising from the substance or mixture**

NA

### **Advice for firefighters**

Fire fighters should wear full face, self-container breathing apparatus and impervious protective clothing.

### **Further information**

Product is not considered to be a fire hazard.

## **Section 6 : ACCIDENTAL RELEASE MEASURES**

### **Personal Precautions, Protective Equipment and Emergency Procedures**

As mentioned under section 7.

### **Environmental Precautions**

NA

### **Methods and materials for containment and cleaning up**

Flush spilled materials into sanitary or storm sewers. Use chemical absorbent and sweep up small spills. Contain and collect large spills.

### **Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on PPE

See Section 13 for disposal information.

## **Section 7 : HANDLING & STORAGE**

### **Precautions for safe handling**

Minimize exposure in accordance with good hygiene practice. Keep out of reach of children.

### **Conditions for safe storage, including any incompatibilities**

To maintain shelf life, avoid prolonged exposure to high or low temperatures and humidity. Avoid temperatures above 110 F and keep from freezing. Store product in original container with package tightly sealed.

### **Specific end use(s)**

NA

## **Section 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **Control parameters**

None

### **Components with workplace control parameters**

NA

### **Exposure controls**

Material transfer should be done under conditions of local exhaust ventilation.

### **Permissible Exposure Limit (PELs)**

None

### **Threshold Limit Values (TLVs)**

NA

### **Appropriate engineering controls**

Open air/Ventilation.

### **Personal protective equipment**

Wash hands before and after using the product. Avoid excessive dust. Use with adequate ventilation. Safety showers, eye wash stations and washing facilities must be readily available.

### **Eye/face protection**

Tightly fitting safety goggles recommended

### **Skin protection**

Skin should be covered by clothing at a minimum. Avoid excessive skin contact. Rubber gloves-recommended.

### **Body protection**

Same as above

### **Respiratory protection**

Not recommended.

### **Control of environmental exposure**

NA

## **Section 9 : PHYSICAL & CHEMICAL PROPERTIES**

### **Appearance**

Brown/black liquid.

### **Odor**

Pungent and distinctive earthy odor.

### **pH**

6.5 to 8.0

### **Melting point/freezing point**

NA

### **Initial Boiling Point**

100 C

### **Flash Point**

NA

### **Flammability (solid, gas)**

None

### **Vapor Pressure & Density**

Equivalent to water

### **Water Solubility**

99% Soluble. Disperses in water.

### **Specific gravity**

1.04 approximately

## **Section 10 : STABILITY AND REACTIVITY**

### **Reactivity**

NA

### **Chemical stability**

Stable under normal conditions.

### **Possibility of hazardous reactions**

NA

### **Condition to avoid**

Strong acids or alkali compounds may inactivate bio cultures.

### **Incompatible materials**

Strong acids or alkali compounds.

### **Hazardous decomposition products**

NA

## **Section 11 : TOXICOLOGICAL INFORMATION**

### **Acute Toxicity**

NA

### **Chronic Toxicity**

NA

### **Reproductive Toxicity**

NA

### **Additional Information**

NA

## **Section 12 : ECOLOGICAL INFORMATION**

### **Toxicity**

NA

### **Persistence and degradability**

NA

### **Bio-accumulative potential**

NA

### **Mobility in soil**

NA

### **Other adverse effects**

This product is believed not to be dangerous to the environment with respect to mobility, persistency and degradability, bio accumulative potential, aquatic toxicity and other data relating to eco toxicity.

## **Section 13 : DISPOSAL CONSIDERATIONS**

### **Waste Treatment Methods**

Via an authorized waste disposal contractor to an approved waste disposal site, observing all local, state and federal regulations.

## **Section 14 : TRANSPORT INFORMATION**

**DOT (US)**

**UN Number**

NA

**Class**

NA

**Packing Group**

NA

**Proper Shipping Name**

NA

## **Section 15 : REGULATORY INFORMATION**

There are no safety, health and environmental regulations/legislation specific for the substance or mixture. Preparation does not contain ingredients listed as a dangerous substance in Annex 1 of the EEC directive 67/548.

## **Section 16 : OTHER INFORMATION**

### **HMIS**

Health – 1

Flammability – 0

Reactivity – 0

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named manufacturer nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

This product conforms on its chemical description and is reasonably fit for the purpose referred to in the directions for use when used in accordance with the directions under normal conditions. However the manufacturer could withdraw the chemical composition of the product on the basis of it being a trade secret.

### **29 CFR 1910.1200 (D)(1)**

The safety data sheet indicates that the specific chemical identity and/or percentage of composition is being withheld as a trade secret; The specific chemical identity and percentage is made available to health professionals, employees, and designated representatives in accordance with the applicable provisions.

Seller makes no other warranty or representation of any kind, express or implied, concerning the product, including **NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS OF THE GOODS FOR ANY OTHER PARTICULAR PURPOSE**. No such warranties shall be implied by law and no agent of seller is authorized to alter this warranty in any way except in writing with a specific reference to this warranty. The exclusive remedy against seller shall be in a claim for damages not to exceed the purchase price of the product, without regard to whether such a claim is based upon breach of warranty or tort. Any controversy or claim arising out or relating to this contract, or breach thereof, shall be settle by arbitration in accordance with the commercial arbitration rules of the American Arbitration Association, and judgment upon the rendered by the Arbitrator(s) may be entered in any court having jurisdiction thereof.