



# GreenFurrow ROOT ACTIVE MATERIAL SAFETY DATA SHEET (MSDS)

## 1. MATERIAL - PREPARATION AND COMPANY NAME

### 1.1 Identification of the Substance

GreenFurrow ROOT ACTIVE; (*Quillaja saponaria* and *Yucca schidigera* extract)

### 1.2 Use of the Substance

Soil Amendment

### 1.3 Company Identification

Mar Vista Resources  
745 North Ave. Corcoran, CA 93212

### 1.4 Emergency Telephone

(619) 429 5222

## 2. COMPOSITION AND SPECIFICATION OF INGREDIENTS

### Chemical characterization

*Quillaja saponaria*-*Yucca schidigera* aqueous extract

### CAS number

68990-67-0 and 223749-05-1

### Additives

Copper Sulfate 0.1% w/w

### Dangerous ingredients

None known to Mar Vista Resources

### **3. HAZARDS IDENTIFICATION**

**HMIS Classification**

Health: 1  
Flammability: 0  
Physical Hazards: 0  
Reactivity: 0

**Hommel Diamond Classification**

Health Hazard: 1  
Fire Hazard: 0  
Reactivity: 0  
Special Recommendation: 0

### **4. FIRST AID MEASURES**

**General instruction:**

Avoid eye and prolonged skin contact.

**After ingestion:**

Rinse mouth with water provided person is conscious. Call physician

**After skin contact:**

Flush with water and remove contaminated clothing. In case of skin irritation, seek medical advice.

**After eye contact:**

In case of contact with eyes, rinse with plenty of water and seek medical advice.

**Instruction for the medical practitioner:**

Show the medical practitioner this safety-data-sheet.

### **5. FIRE FIGHTING MEASURES**

Suitable for fire-extinguishing material

N/A not flammable liquid
<b>Special danger</b> None known to Desert King International
<b>Special protective actions for fire-fighting</b> Not applicable. Not flammable

## **6. ACCIDENTAL RELEASE MEASURES**

### **Personal Precautions**

Avoid spills. Wear protective clothing, rubber gloves and goggles. Wash or dispose of contaminated clothing

### **Environmental Precautions**

Contain spills. Prevent discharge into environment.

### **Methods for Cleaning Up**

Rinse with water.

## **7.- HANDLING AND STORAGE**

### **7.1 Handling Instruction for safe handling**

Wear protective clothing, rubber gloves and goggles.

### **Instruction for fire-and explosion protection**

No special actions necessary.

### **7.2 Storage**

#### **Requirements for storage-rooms and containers**

Store in cool place, avoid direct sunlight

#### **Further instructions for stock-keeping**

None

#### **Storage class**

12 (non flammable liquid in a non flammable container, Self-classification)

### **7.3 Specific Uses**

Foaming agent / Surfactant / Emulsifier

**8. EXPOSURE CONTROL/PERSONAL PROTECTION**

**8.1 Exposure Limit Values**

Not Applicable.

**8.2 Personal security-equipment.**

**Hand-protection**

Safety-gloves

**Eyes-protection**

Safety goggles

**Actions for protection and hygiene**

Maintain good hygiene practices

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**9.1 General InformationForm**

Liquid

**Color**

Dark brown

**Odor**

Characteristic, bittersweet

**9.2 Important health, safety, environment information**

**pH-value**

3.9 ± 0.2

**Decomposition temperature**

Not available

**Ignition temperature**

N/A Non flammable liquid

**Danger of explosion**

Not explosive

**Fire assistance properties**

None. Non flammable liquid

**Specific density**

> 1.17 g/cm<sup>3</sup>

**Solubility**

Completely water soluble

**10. STABILITY AND REACTIVITY**

**10.1 Conditions to avoid**

None known to Mar Vista Resources

**10.2 Materials to avoid**

None known to Mar Vista Resources

**10.3 Hazard decomposition products**

Not known to Mar Vista Resources

**11. TOXICOLOGICAL INFORMATION**

**Acute Toxicity**

**On Skin**

Not available

**On Eyes**

Not available

**Ingestion**

Not available. Food grade GRAS substance

**Chronic Toxicity**

**Sensibility**

Not applicable

**Carcinogenic and reproduction-hazardous effects**

Not applicable

**12. ECOLOGICAL INFORMATION**

**12.1 Ecotoxicity**

Not available.

**12.2 Mobility**

Not available.

**12.3 Persistence and degradability**

Not available

**12.4 Bioaccumulative potential**

Not available.

**12.5 Other adverse effects**

None known to Desert King International

**13. DISPOSAL CONSIDERATIONS**

Dispose of in accordance to all local regulations

**14. TRANSPORT INFORMATION**

No limitations to transport known.

**15. REGULATORY INFORMATION**

**Regulatory Status**

**European Union**

Water based botanical extract

**USA**

Yucca schidigera is safe for use in food and beverages; FDA 21 CFR 172.510.

EPA inert ingredient, wetting agent / dispersing agent 40 CFR 180.1001

**Characterization of danger (symbol)**

None

**R-Phrases**

None

**S-Phrases**

24 Avoid contact with skin

25 Avoid contact with eyes.

**Water-dangerous-class**

1 (light water-dangerous) (self-classification).

**16. OTHER INFORMATION**

MSDS Status: According to 2001/58/EC

The information presented in this safety sheet is updated to the best of our knowledge and describes only the safety measures to be taken in the handling of this product. In no way does it represent a guaranty on the properties described herein.