



**YUCCA AG AIDE™**  
**YUCCA SCHIDIGERA EXTRACT**  
**MATERIAL SAFETY DATA SHEET (MSDS)**

March 2010

Rev.5

**1. MATERIAL - PREPARATION AND COMPANY NAME**

**1.1 Identification of the Substance**

YUCCA AG AIDE; *Yucca schidigera* water based extract (OMRI listed)

**1.2 Use of the Substance**

Wetting agent – Natural surfactant

**1.3 Company Identification**

DESERT KING INTERNATIONAL  
7024 MANYA CIRCLE, SAN DIEGO, CA 92154 - USA

**1.4 Emergency Telephone**

(619) 429 5222

**2. COMPOSITION AND SPECIFICATION OF INGREDIENTS**

**Chemical characterization**

*Yucca schidigera* aqueous extract

**CAS number**

223749-05-1 (*Yucca schidigera*)

**Additives**

None

**Dangerous ingredients**

None known to Desert King International



### 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

**Special danger**

None known to Desert King International

**Special protective actions for fire-fighting**

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 rests 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 Information**

**Form**

Liquid

**Color**

Dark brown

**Odor**

Characteristic, bittersweet

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

**pH-value**

3.7 – 4.1

**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**

> 1.21 g/cm<sup>3</sup>

**Solubility**

Completely water soluble



## 10. STABILITY AND REACTIVITY

### 10.1 Conditions to avoid

None known to Desert King International

### 10.2 Materials to avoid

None known to Desert King International

### 10.3 Hazard decomposition products

Not known to Desert King international

## 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