



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

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/cm³

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