



## SAFETY DATA SHEET (SDS)

### 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

**1.1 Trade name: BIOSUPREME®**

**1.2 Relevant identified uses of the substance or mixture and uses advised against**

Animal feed ingredient

Product Category: Animal Feed Material

Application of the substance / the preparation: Animal Feed Material

**1.3 Details of the supplier of the safety data sheet**

Supplier:

Baja Agro International S.A. de C.V.

Privada Kino Este 100-1-A, Parque Industrial Misión

Ensenada Baja California, México. CP 22830

**1.4 Emergency telephone number:**

Emergency telephone number: +52 (646) 177 0475

Fax number: +52 (646) 177 0547

### 2 HAZARDS IDENTIFICATION

**2.1 Classification of the substance or mixture**

Classification according to Regulation (EC) No 1272/2008

The product is not classified according to the CLP regulation.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC Not applicable.

Information concerning particular hazards for human and environment:

The product does not have to be labeled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

This product is classified and labeled according to the Globally Harmonized System (GHS)

**2.2 Label elements**

Labeling according to Regulation (EC) No 1272/2008 Void

Labeling according to Regulation Globally Harmonized System (GHS)

Hazard-determining components of labeling: N/A

Hazard statements: N/A

Precautionary Statements: N/A  
 Hazard pictograms: Void  
 Signal word: Void  
 Hazard statements: Void  
 Classification system:  
 NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme  
 NFPA ratings (scale 0 - 4) HMIS-ratings (scale 0 - 4)

## NFPA



## HMIS

Health Hazard	0
Fire Hazard	0
Reactivity	0

### REACTIVITY

Health = 0  
 Fire = 0  
 Reactivity = 0

Health = 0  
 Fire = 0  
 Reactivity = 0

### 2.3 Other hazards

Results of PBT and vPvB assessment  
 PBT: Not applicable.  
 vPvB: Not applicable.  
 No specific hazards are encountered under normal product use

## 3 COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Hazardous components within the meaning of EEC directive 67/548 and corresponding classification:

*Yucca schidigera* pulverized dry stems 100%  
 Regulation No 1831/2003 (Official Journal L 268 , 18/10/2003 P. 0029 - 0043)  
 CAS No. 223749-05-1 *Yucca schidigera*  
 CAS No. 90147-57-2 Yucca extract  
 FEMA Reg. No. 3121  
 EINECS No. 290-449-0  
 FDA Title 21 CFR Part 172.510  
 EPA Title 40 CFR Part 180

### 3.2 Chemical characterization:

Description: *Yucca schidigera* pulverized dry stems 100%  
 Regulation No 1831/2003 (Official Journal L 268 , 18/10/2003 P. 0029 - 0043)  
 CAS No. 223749-05-1 *Yucca schidigera*  
 CAS No. 90147-57-2 Yucca extract  
 FEMA Reg. No. 3121

EINECS No. 290-449-0  
FDA Title 21 CFR Part 172.510  
EPA Title 40 CFR Part 180  
Dangerous components: Void  
Additional information: For the wording of the listed risk phrases refer to section 16.

## 4 FIRST AID MEASURES

### 4.1 Description of first aid measures

General information: No special measures required.  
After inhalation: Supply fresh air; consult doctor in case of complaints.  
After skin contact: Generally the product does not irritate the skin.  
After eye contact: Rinse opened eye for several minutes under running water.  
After swallowing: If symptoms persist consult doctor.  
Information for doctor: No special measures required

### 4.2 Most important symptoms and effects, both acute and delayed.

No further relevant information available.

### 4.3 Indication of any immediate medical attention and special treatment needed:

No further relevant information available

## 5 FIRE-FIGHTING MEASURES

### 5.1 Extinguishing media

Suitable extinguishing agents:  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

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

No further relevant information available.

### 5.3 Advice for firefighters

Protective equipment: No special measures required.  
Recommended extinguishers: Treat as a class A fire; use water, spray or fog in dust areas  
Extinguishers not to be used: None in particular

## 6 ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

Not required.

### 6.2 Environmental precautions:

No special measures required.

### 6.3 Methods and material for containment and cleaning up:

Pick up mechanically.

### 6.4 Reference to other sections

No dangerous substances are released.

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information

Measures for personal safety:

Respiratory protection: Use NOISH approved respirator

Protective glove: Not required

Environment measures and cleaning methods: Small spills can be removed by vacuum cleaning; avoid use compressed air to blow off dust or spills. Remove larger spills with pan using gentle brushing technique.

## 7 HANDLING AND STORAGE

### 7.1 Precautions for safe handling

No special measures required.

Information about fire - and explosion protection:

No special measures required

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

Storage:

Requirements to be met by storerooms and receptacles:

Store in a cool, dry environment avoiding cross contamination with other products. Store the original container, out of reach of children and preferably in a locked storage area.

Information about storage in one common storage facility: Not required.

Further information about storage conditions:

None.

### 7.3 Specific end use(s):

No further relevant information available

## 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Additional information about design of technical facilities: No further data; see item 7.

### 8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

CAS No. 223749-05-1	<i>Yucca schidigera</i>
CAS No. 90147-57-2	Yucca extract
PEL:	Not determinate
REL:	Not determinate
TLV:	Not determinate
WEL:	Not determinate

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information: The lists valid during the making were used as basis.

## 8.2 Exposure controls

Personal protective equipment:

The usual precautionary measures are to be adhered to when handling chemicals

General protective and hygienic measures:

Respiratory protection: Not required.

Protection of hands: Gloves

The glove material has to be impermeable and resistant to the product/the substance/the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/the preparation the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection: Not required.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

General Information	<i>Yucca schidigera</i> powder
Appearance	Free flowing powder
Form	Powder
Color	Light beige
Odor	Sweet
Odour threshold	Not applicable
pH (10% AQ solution) at 20°C	4.0 ± 0.5
Change in condition	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	Undetermined.
Flash point:	Not applicable.
Flammability (solid, gaseous):	Not determined.
Ignition temperature:	Not determined
Decomposition temperature:	Not determined.

Self-igniting:	Product is not self-igniting.
Danger of explosion:	Product does not present an explosion hazard.
Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
Vapour pressure at 20°C:	Not applicable.
Density at 20°C:	0.510-0.635 g/cm <sup>3</sup>
Relative density	Not determined.
Vapour density	Not applicable.
Evaporation rate	Not applicable.
Solubility in / Miscibility with water:	Partial Insoluble.
Segregation coefficient (n-octanol/water):	Not determined.
Viscosity:	
Dynamic:	Not applicable.
Kinematic:	Not applicable.
Solvent content:	
Organic solvents:	0.0 %
VOC (EC)	0.00 %
Solids content:	100.0 %
Other information	No further relevant information available.
Shelf life	Min 48 months at room temperature

## 10 STABILITY AND REACTIVITY

### 10.1 Reactivity:

No further relevant information available.

### 10.2 Chemical stability:

Product is stable under normal conditions.

Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

### 10.3 Possibility of hazardous reactions

No dangerous reactions known.

### 10.4 Conditions to avoid

No further relevant information available.

### 10.5 Incompatible materials:

No further relevant information available.

### 10.6 Hazardous decomposition products:

No dangerous decomposition products known

This product presents no significant reactivity hazard. It is stable and will not react violently with water. Hazardous polymerization will not occur. There are no specific conditions to avoid.

## 11 TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

Acute toxicity:

No acute toxicity No LD50 data available for the product

Primary irritant effect:

on the skin: Slight transient irritation may occur

on the eye: An eye irritant.

Sensitization: No sensitizing effects known.

Chronic effects: No information available for the product

Mutagenicity: No information available.

Carcinogenicity: No information available.

Reproductive toxicity: No information available.

Specific Target Organ Toxicity (STOT) - single exposure: May cause respiratory irritation.

Specific Target Organ Toxicity (STOT) - repeated exposure: No information available.

Aspiration hazard: Not classified

NTP (National Toxicology Program)

None of the ingredients are listed

OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients are listed

Additional toxicological information:

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

This product does not contain toxicologically relevant substances

## 12 ECOLOGICAL INFORMATION

### 12.1 Toxicity

Aquatic toxicity: No further relevant information available.

### 12.2 Persistence and degradability

No further relevant information available.

Behaviour in environmental systems:

### 12.3 Bioaccumulative potential

No further relevant information available.

### 12.4 Mobility in soil

No further relevant information available.

Additional ecological information:

General notes:

Generally not hazardous for water

### 12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

### 12.6 Other adverse effects

No further relevant information available.

Adopt sound working practices, so that the product is not released into the environment.

## 13 DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

Recommendation

Smaller quantities can be disposed of with household waste.

Uncleaned packaging:

Recommendation:

Disposal must be made according to official regulations.

Recover if possible.

Waste disposal method:

Incineration or sanitary landfill in accordance to local, state and federal regulations.

## 14 TRANSPORT INFORMATION

### 14.1 UN-Number

ADR, ADN, IMDG, IATA

Not classified as Dangerous Goods

### 14.2 UN proper shipping name

ADR, ADN, IMDG, IATA

Not classified as Dangerous Goods

### 14.3 Transport hazard class(es)

ADR, ADN, IMDG, IATA

Class

Not classified as Dangerous Goods

### 14.4 Packing group

ADR, IMDG, IATA

Not classified as Dangerous Goods

### 14.5 Environmental hazards:

Marine pollutant:

No

### 14.6 Special precautions for user **Not applicable.**

Transport in bulk according to Annex II of MARPOL73/78

and the IBC Code

Not applicable.

Not classified as dangerous in the meaning of transport regulations.



## 15 REGULATORY INFORMATION

### 15.1 Safety, health and environment regulations/legislation specific for the substance or mixture

No further relevant information available.

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation

### 15.2 Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

The product is non-dangerous

### Precautionary statements

P102 Keep out of reach of children.

P103 Read label before use.

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing.

Rinse skin with water/shower.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P321 Specific treatment (see on this label).

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations

Section 355 (extremely hazardous substances): None of the ingredients are listed.

Section 313 (Specific toxic chemical listings): None of the ingredients are listed.

### Proposition 65

Chemicals known to cause cancer: None of the ingredients are listed.

Chemicals known to cause reproductive toxicity for females: None of the ingredients are listed.

Chemicals known to cause reproductive toxicity for males: None of the ingredients are listed.

Chemicals known to cause developmental toxicity: None of the ingredients are listed.

### Carcinogenic categories

EPA (Environmental Protection Agency)

None of the ingredients are listed. EPA 40 CFR Part 180

TLV (Threshold Limit Value established by ACGIH) None of the ingredients are listed.

NIOSH-Ca (National Institute for Occupational Safety and Health)

This product is not listed as a hazardous material under criteria of the Federal OSHA Hazard Communication Standard, 29 CFR 1910.1200.

GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

## 16 OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. The data included herein are presented to practices of Baja Agro International, S.A. de C.V. current at the time of preparation hereof, are made available solely for consideration, investigation and verification of the original recipients hereof and do not constitute an express warranty for which Baja Agro International, S.A. de C.V. assumes legal responsibility. We believe that the information contained herein is current as of the date of writing of this Safety Data Sheet. As the use of this information and the conditions of the use of the product are outside of the control of Baja Agro International, S.A. de C.V., it is incumbent on the user to determine conditions for safe and proper use.

This SDS cancels and replaces any preceding release.

### Abbreviations and acronyms:

ADR:	Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG:	International Maritime Code for Dangerous Goods
IATA:	International Air Transport Association
GHS:	Globally Harmonized System of Classification and Labelling of Chemicals
EINECS:	European Inventory of Existing Commercial Chemical Substances
ELINCS:	European List of Notified Chemical Substances
CAS:	Chemical Abstracts Service (division of the American Chemical Society)
VOC:	Volatile Organic Compounds (USA, EU)
ACGIH:	American Conference of Governmental Industrial Hygienists
NFPA:	National Fire Protection Association (USA)
HMIS:	Hazardous Materials Identification System (USA)