



Sistema de Gestión de la Calidad certificado por IRAM
Norma ISO 9001:2008



SAFETY DATA SHEET

According to: Globally Harmonized System (GHS) (1)

MATERIAL SAFETY DATA SHEET

MGM EX

MSDS7.2-0-03

Revised: 09/28/2017

1 SUSTANCE IDENTIFICATION

- a) **GHS Product Identifier**
Trade Name: **MGM Ex**, *Schinopsis lorentzii*, ext.
- b) **Other means of identification**,
Quebracho Vegetable Extract.
- c) **Recommended use of the chemical and restrictions on use**
Quebracho Vegetable Extract is widely used for ruminants feed
- d) **Supplier's details (including name, address, phone number etc.)**
Manufacturer: Unitan SAICA- Av Paseo Colón 221 P 10º C1063ACC- Buenos Aires – Argentina. Phone N°: (54-11) 4331-5540/47 - FAX: (54-11) 4331-5548/49
E-mail: alm@unitan.net / Website: www.unitan.net
- d) **Emergency phone number: +54 11 4343 6863**

2 HAZARDS IDENTIFICATION

- a) **GHS classification of the substance**
Pictogram not required for Eye hazards.
H320 May cause mild eye irritation (2)
- b) **GHS label elements, including precautionary statements.**
P264 Wash hands thoroughly after handling
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lens, if present and easy to do, continue rinsing.
P337+P313 If eye irritation persists: Get medical advice/attention.
- c) **Other hazards which do not result in the classification by the GHS.**
Skin Contact: May cause mild irritation on prolonged contact

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3 COMPOSITION/ INFORMATION ON INGREDIENTS**Substance**

- a) **Chemical identity;**
Schinopsis lorentzii, ext.
Spray dried extract of Quebracho Colorado wood.
- b) **Common name, synonyms, etc.;**
Quebracho Vegetable Extract.
- c) **CAS number and other unique identifiers**
CAS 90106-04-0 EC 290-224-7
- d) **Impurities and stabilizing additives which are themselves classified and which contribute to the classification of a substance.**
Schinopsis lorentzii, ext. 91 %
Moisture 9 %

4 FIRST- AID MEASURES

- a) **Description of necessary measures, subdivided according to the different routes of exposure.**
- b) **Most important symptoms/effects, acute and delayed.**
- c) **Indication of immediate medical attention and special treatment needed,**

P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lens, if present and easy to do, continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

Skin Contact:

Wash skin with plenty of water.

5 FIRE-FIGHTING MEASURES

- a) **Suitable (and unsuitable) extinguishing media.**
Water or water spray, carbon dioxide, foam or proper chemical powder
- b) **Specific hazards arising from the chemical (e.g. nature of any hazardous combustion products).**
Not normally flammable but under extreme heat conditions (> 170 °C) will decompose.
- c) **Special protective equipment and precautions for fire-fighters.**
In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand.

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6 ACCIDENTAL RELEASE MEASURES**a) Personal precautions, protective equipment and emergency procedures.**

Use personal protective equipment specified in Section 8.
Remove all sources of ignition. Ventilate area of leak or spill.
Clean up spills in order to avoid dispersing dust into the air. Use non-sparking tools and equipment. Reduce airborne dust and prevent scattering by moistening with water

b) Environmental precautions.

Prevent liquid flow conduits storm / sewer, surface water or groundwater.

c) Methods and materials for containment and cleaning up.

Pick up spill for recovery if possible or use absorbent material to collect the spill and dispose the same in a closed container.

7 HANDLING AND STORAGE**a) Precautions for safe handling.**

Employ accepted engineering practices in any process capable of generating dust.

b) Conditions for safe storage, including any incompatibilities.

Keep in a tightly closed container, stored in a cool, dry, ventilated area.
Protect against physical damage.
Protect from light

8 EXPOSURE CONTROLS/ PERSONAL PROTECTION**a) Control parameters e.g. occupational exposure limit values or biological limit values.**

Not applicable

b) Appropriate engineering controls.

A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source.

c) Individual protection measures, such as personal protective equipment.**Personal Respirators:**

NIOSH Approved

Skin Protection:

Wear protective gloves and clean body-covering clothing.

Eye Protection:

Use chemical safety goggles. Maintain eye wash fountain and quick-drench facilities in work area.

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9 PHYSICAL AND CHEMICAL PROPERTIES

a) **Appearance (physical state, color etc.);** Powder, Brown

b) **Odor;** characteristic odor

c) **Odor threshold;** Not applicable

d) **pH;** Slightly acid

according to:

Acid (0-4,0)

Slightly acid (4,1-6,5)

Neutral (6,6-7,5)

Slightly alkaline (7,6-9,0)

Alkaline (9,1-14,0)

Note: *The exact pH range you will find in the respective TDS. The above scale is merely indicative of the pH range, it does not imply the pH range of the Technical Data Sheet.*

e) **Melting point/freezing point;** Not applicable

f) **Initial boiling point and boiling range;** Not applicable

g) **Flash point;** Not applicable

h) **Evaporation rate;** Not applicable

i) **Flammability (solid, gas);** Not applicable

j) **Upper/lower flammability or explosive limits;** Not applicable

k) **Vapor pressure;** Not applicable

l) **Vapor density;** Not applicable

m) **Bulk density;** Min: 0,53 gr/ cm³

n) **Solubility;** easy soluble in water.

o) **Partition coefficient: n-octanol/water;** Not applicable

p) **Auto-ignition temperature;** Not applicable

q) **Decomposition temperature;** Decomposes at 170 °C

10 STABILITY AND REACTIVITY

a) **Reactivity;** Hydrolyzed by acid and alkalis.

b) **Chemical stability;** Stable under ordinary conditions of use and storage.

c) **Possibility of hazardous reactions;** Not applicable

d) **Conditions to avoid;** Darkens on exposure to air or light.

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- e) **Incompatible materials;** Salts of heavy metals, strong oxidizing agents, lime water, albumin, gelatin, alkaloids.
- f) **Hazardous decomposition products,** Carbon monoxide may form when heated to decomposition.

11 TOXICOLOGICAL INFORMATION

- a) **Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact):** see point 2.
- b) **Symptoms related to the physical, chemical and toxicological characteristics:** see point 2.
- c) **Delayed and immediate effects and also chronic effects from short and long term exposure:** The material is not known to present any chronic health effect.

12 ECOLOGICAL INFORMATION

- a) **Ecotoxicity (aquatic and terrestrial, where available):** EC50 Quebracho: 23,6 mg /L, NOEC Quebracho: 20 mg /L, *Daphnia magna* reproduction test (3)
- b) **Persistence and degradability;** not available
- c) **Bioaccumulative potential;** not available
- d) **Mobility in the soil;** not available
- e) **Other adverse effects,** not known.

The material in its supplied form is a natural vegetable extract which consists mainly of condensed tannin, obtained by water extraction of *Schinopsis* wood.

13 DISPOSAL CONSIDERATIONS

Whatever cannot be saved for recovery or recycling, should be managed in an appropriate and approved waste disposal facility.

State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

Do not discharge product unmonitored into the environment.

14 TRANSPORT INFORMATION

- a) **UN number;**
Not listed as a substance or preparation dangerous for carriage and does not come within any of the classifications pertaining to such listing.
- b) **UN proper shipping name:**
Not applicable
- c) **Transport hazard class;**

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- Not applicable
- d) **Packing group,**
Not applicable
- e) **Environmental hazards**
Not a marine pollutant.
- f) **Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code);**
Not applicable
- g) **Special precautions which a user needs to be aware of,**
No special transport precautions necessary.
- h) **This product is not regulated under the IATA Standard.**

15 REGULATORY INFORMATION

Safety, health and environmental regulations specific

1. Quebracho vegetable extract (**Schinopsis lorentzii, ext.**) meets the definition of a natural polymer in accordance with Article 3(5) of the REACH Regulation. As a naturally occurring polymer it is exempt from any REACH registration provisions under Title II, as per Art. 2(9), 2(7) (b) and Annex V(8), since this polymer has not been chemically modified and meets the definition of a naturally occurring substance (according to article 3(39)) and further does not meet the criteria for classification as dangerous in accordance with Directive 67/548/EEC.
2. Biocidal Products Directive (Directive 98/8/EC), Information:
There is no information in ESIS for this substance with respect to the BPD
3. This substance is not classified in the Annex I of Directive 67/548/EEC as such
4. Export and Import of Dangerous Chemicals (Regulation (EC) No 689/2008), Information:
This substance is not listed in the Annex I of Regulation (EC) No 689/2008
5. European Priority Lists and Risk Assessment (Council Regulation (EEC) No 793/93), Information: This substance is not listed in a priority list (as foreseen under Council Regulation (EEC) No 793/93 on the evaluation and control of the risks of existing substances.).

16 OTHER INFORMATION

Information on preparation and revision of the SDS

1. This revision replaces the previous.
2. The 16 points of this SDS were modified, adapting to the GHS, Annex 4: Guidance on the preparation of Safety Data Sheets.
3. Quality and Environmental Management of UNITAN approved this SDS.

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References

- (1) *According to: Globally Harmonized System of Classification and Labelling of Chemicals (GHS), Third revised edition, Annex 4: Guidance on the preparation of Safety Data Sheets*
- (2) *Bioservice, scientific laboratories, gmbh, Acute eye irritation with quebracho Bsl study n° 100195a, 16 march 2010*
- (3) *Daphnia magna reproduction test (OECD 211): GL 022, Ecotoxicity of Quebracho extract Ecotox Services International, Australia, Dr. Knoel Consult Gmbh, Test Report n° GL022 TR1, 14 October 2010*

The information above is believed to be accurate and represents the best information currently available to us.

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Users should make their own investigations to determine the suitability of the information for their particular purposes.