



**RND Center Inc. (ChemCenter)**  
5580 La Jolla Blvd. (Ste 413)  
La Jolla, CA 92037

**Safety Data Sheet**  
**Mixed Tannins Wood Bark Extract**

(For Lab, R&D or technical use only. Not intended for food, drug, or cosmetic use)

**1. SUSTANCE IDENTIFICATION**

- a) **GHS Product Identifier**  
Trade name: **Schinopsis lorentzil, extract, bisulphited**
- b) **Other means of Identification: vegetable extract, busulphited**
- c) **Recommended use of the chemical and restrictions on use:**  
Vegetable extract is widely used for tanning leather, water treatment and several industrial applications.
- d) **Supplier's details**  
RND Center, Inc.  
5580 La Jolla Blvd., #413,  
La Jolla, CA 92037.  
website: [www.rndcenterinc.com](http://www.rndcenterinc.com)  
(858)-775-5671
- e) **Emergency phone number:** 855-243-2306. Account 15723

**2. HAZARDS IDENTIFICATION**

- a) **GHS classification of the substance**

**Pictogram not required for Eye hazards.**

**H320 May cause mild eye irritation (2)**

**Pictogram not required for Acute oral toxicity**

**H303 May be harmful if swallowed**

- 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.

**P312: In case of swallowing, if you feel unwell, 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.

### **3. COMPOSITION/INFORMATION ON INGREDIENTS**

#### **Substance**

- a) Chemical Identity:**  
Schinopsis lorentzil, extract, bisulphited  
Spray dried extract of wood with small quantities of sodium bisulphite.
- b) CAS number and other unique identifiers**  
CAS 100085-70-9 EC 309-213-6
- c) Impurities and stabilizing additives which are themselves classified and which contribute to the classification of a substance.**  
Schinopsis lorentzil, ext, bisulfited 92%  
Moisture 8%

### **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 attention advice/attention.

**P312 In case of swallowing, if you feel unwell, 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.

## **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-sparkling 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.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

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

**b) Odor;** Pleasant characteristic odor

**c) Odor threshold;** Not applicable

**d) pH;** Of 0,6 % solution is 4.4 - 4.8

- 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) **Relative density;** Not applicable
- 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
- r) **Viscosity;** Not applicable

#### **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
- 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**

**Concise but complete and comprehensive description of the various toxicological (health) effects and the available data used to identify those effects, including:**

- 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.**
- d) **Numerical measure of toxicity: Toxicity data: 2260 mg/kg oral-rat LD50**

## **12. ECOLOGICAL INFORMATION**

- a) **Ecotoxicity (aquatic and terrestrial, where available): EC50 Schinopsis lorentzil, ext., bisupfited: 23.6 mg/L, NOEC Schinopsis lorentzil, ext., bisupfited: 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**

**Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging.**

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

### DOT- Not regulated/Not Dangerous Goods

- 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;**  
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.

## 15. REGULATORY INFORMATION

### Safety, health and environmental regulations specific

1. *S.L. Vegetable extract (Schinopsis lorenzii, 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.).*