

## **Material Safety Data Sheet**

Corresponding to EC Directive 93/112/CE

last revision/edition: 15.01.2013

### **1. Identification of the Substance/Preparation and the Company/Undertaking**

Substance or preparation trade name: Vegetal Leather Meal 10,5 N Fertilizer  
Unique reference numbers(s):  
Company/undertaking name & address: REIPA TRADING SA  
Contrada alla Cantina 1  
CH-6934 Bioggio - Switzerland

Telephone: +41.91.6054934  
Emergency telephone number: +41.91.6054934

### **2. Composition**

Substance: hydrolised leather meal  
% content: 10,5 % N  
Raw materials come from the processing of vegetable tanned leather and are shavings, crust/flesh split and scrap. Working process through an automatic thermic/heat hydrolysis, without addition of enzymes or others, by sterilization at 133°C for over 20 minutes.

### **3. Hazards Identification**

Not classified as a dangerous material as per 88/379/CEE  
Fertilizers are generally not dangerous if they are handled properly.

- Contact with eyes: contact could cause irritation
- Ingestion: small quantities should not cause toxic effects
- Inhalation: high concentrations of product dust in the air could cause irritation to the nose and respiratory tract.
- Long term effects: no known adverse long-term effects.
- Fire and products of thermal decomposition: inhalation of gases coming from decomposition could cause irritation of respiratory tract.

Environment:  
Since this is a fertilizer, spillage into the environment could have negative effects.

### **4. First aid measures**

Skin contact: rinse with abundant water  
Eye contact: rinse with abundant water  
Inhalation: Move the injured person to fresh air  
Ingestion: Obtain immediate medical attention if a substantial amount is ingested

### **5. Fire fighting measures**

If the product is not directly involved in the fire

- use the most effective available means to extinguish the fire

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If the product is directly involved in the fire

- call the Fire Department
- avoid inhaling fumes. Keep upwind from the fire
- use large quantities of water
- open doors and windows in the room to permit maximum ventilation
- prevent the product from ending up in the sewer system
- prevent the product from being contaminated by oils or other flammable materials
- inform local authorities if water with product enters the sewer system or gets into surface waters.

### **6. Accidental release measures**

Individual precautions

- Avoiding inhaling the dust

Environmental precautions

- any spillage of product must be immediately cleaned up and placed in labeled containers for correct disposal. Dispose of the product depending on the degree and type of contamination, either as fertilizer on the farm or in an authorized waste disposal site. Use care to avoid contaminating waterways and sewer systems. Inform local authorities of accidental pollution of surface waters.

### **7. Handling and storage**

Handling:

Even though this product does not create particular problems and is not a dangerous substance it must be handled using all normal precautions applied with all chemical substances.

- use gloves when performing prolonged handling of the product
- avoid excess dust formation
- avoid exposure to rain and damp to prevent absorption of humidity

Storage:

- keep away from heat, ignition sources and incompatible substances

Keep away from children and animals

### **8. Exposure Controls**

Recommended occupational exposure limits

- No specific official limits exists

Eye protection: goggles to protect against dust

Hand protection: gloves

Respiratory system protection: facemasks to eliminate dust if dust levels are high

### **9. Physical and chemical properties**

Appearance: brown powder

Odour: product typical

Flammability: > 260°C

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Humidity (%)	2-3
pH (relation H <sub>2</sub> O: leather=10:1)	4-6
(N%)	10-11
(P <sub>2</sub> O <sub>5</sub> mg/g)	0,6-0,8
(CaO%)	16-18
(Na <sub>2</sub> O <sub>4</sub> mg/g)	4,3-5,7
(S)	20-30
(SO <sub>4</sub> mg/g)	35-45
(As mg/g)	<0,0005
(Cd mg/g)	<0,001
(Hg mg/g)	<0,0005
(Cr mg/g)	0,008-0,01
(Cr mg/g)	< 0,0002

### 10. Stability and reactivity

**Stability:**

The product is stable under normal storage, handling and use conditions.

**Hazardous reactions**

No significant dangerous reactions are present.

**Thermal decomposition and decomposition products**

Unidentified organic compounds can be formed during decomposition.

**Storage time**

12 month in the original package and in suitable storage conditions.

### 11. Toxicological information

Symptoms of excessive exposure: not findable

### 12. Ecological information

The product is evidently biodegradable since it is a nutrient for plants microorganisms. As a consequence no build-up problems exist.

### 13 Disposal Considerations

The product, when it is not contaminated by other pollutants, can be disposed on a farm soil. If it is contaminated by other substances it must be disposed of in an authorized disposal site.

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### **14. Transport information**

Road and railroad: No restriction

Maritime: No restriction

Air: No restriction

### **15. Regulatory information**

CE regulation 2092/91 (biological agriculture)

### **16. Other Information**

The information in this Safety Data Sheet is given in good faith and belief in its accuracy based on our knowledge of the substance/preparation concerned at the date of publication. It does not imply the acceptance of any legal liability or responsibility whatsoever by Reipa Trading SA for the consequences of its use or misuses in any particular circumstances.

In no case does this dispense the user of the product from compliance with all laws, decrees and regulations existing relative to the product and to health and hygiene and work safety standards.