



## Safety Data Sheet

### GUAR GUM (3500 / 5000)

**Safety Data Sheet dated 16/4/2004, version 2**  
**Printing date:28/7/2011**

#### 1. IDENTIFICATION OF THE PRODUCT AND THE COMPANY

Trade name: GUAR GUM (3500 / 5000)  
MSDS code: F203573  
Uses: Chemical preparation for industrial uses  
Chemical description: Natural polysaccharide.  
Supplier:  
LAMBERTI S.p.A. - Via Piave 18 - 21041 Albizzate (VA)  
Tel.: +39 0331 715 111 - Fax.: +39 0331 775 577 - e-mail: hse@lamberti.com  
Emergency telephone number of the company and/or of an authorised advisory centre:  
LAMBERTI S.p.A. - Tel. : +39 0331 715 111

#### 2. COMPOSITION/INFORMATION ON INGREDIENTS

#### 3. HAZARDS IDENTIFICATION

No specific health hazards are encountered under normal product use.  
For further information, see section 7,8 and 10 of SDS.

#### 4. FIRST AID MEASURES

In case of skin contact:  
Wash with plenty of water and soap.  
In case of eyes contact:  
Rinse with plenty of water keeping eyelids raised, if necessary seek medical advice.  
In case of Ingestion:  
Seek medical advice.  
In case of Inhalation:  
Ventilate the premises. The patient is to be removed from the contaminated premises.

#### 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:  
Water.  
Extinguishing media to avoid:  
Not known.  
Risks arising from combustion:  
If involved in a fire the preparation/substance may release dangerous gases. Do not inhale the fumes.  
Protective equipment:  
Use protection for the respiratory tract.

#### 6. ACCIDENTAL RELEASE MEASURES

Measures for personal safety:  
Use mask, gloves and protective clothing.  
(See also item 8).  
Environmental measures:  
In case of spill sweep up carefully.  
Product on contact with water creates a hazard due to its slipperiness.  
Ensure that the product does not escape into water courses or drainage systems.  
If the product has escaped into a water course, into the drainage system, or has contaminated



## Safety Data Sheet

### GUAR GUM (3500 / 5000)

the ground or vegetation, notify the competent authorities.  
Cleaning methods:  
If possible recover the product, otherwise collect.

#### 7. HANDLING AND STORAGE

Handling precautions:

The product should be used in well ventilated place. Avoid direct contact with the product (see also item 8).

Avoid accumulating electrostatic charge.

Avoid dust formation.

Do not eat or drink while working.

Storage conditions:

Keep containers closed. Store in a dry place away from moisture.

Hygroscopic product.

Instructions as regards storage premises:

Adequate ventilation in working area.

Packaging suggested:

Paper bags.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Precautionary measures:

Give adequate ventilation to the premises where the product is stored and/or handled.

Local exhaust during handling.

Respiratory protection:

Use respiratory protection when there is a risk of vapours/spray/dust exposure (see EN 141 - EN 143 - EN 149)

Protection for hands:

Use protective gloves, made of materials suitable for short contact, that provide comprehensive protection to chemicals . (refer EN 374).

Eye protection:

Use close fitting safety goggles.

Protection for skin:

No special precaution must be adopted for normal use.

Exposure limit(s):

TLV/TWA : 10 mg/m<sup>3</sup> referred to inhalable powders (insolubles).

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Powder

Odour:

Slight.

pH:

5 - 7 (10 g/l in water - 25°C)

Boiling point:

Not applicable.

Flash point:

Not applicable.

Solubility in water:

Dispersible.

#### 10. STABILITY AND REACTIVITY

Conditions to avoid:

Stable under normal conditions. As organic product, usual precautions to avoid explosion of dusts are recommended.

Substances to avoid:

Not known.

Hazardous decomposition products:

Stable under normal conditions.



## Safety Data Sheet

### GUAR GUM (3500 / 5000)

#### 11. TOXICOLOGICAL INFORMATION

Skin contact:	Repeated and prolonged contacts may cause slight irritation.*
Eye contact:	Repeated and prolonged contacts may cause slight irritation.*
Inhalation:	Prolonged dusts exposures may cause slight and temporary irritation to respiratory system.*
Acute oral toxicity on rats (LD50):	> 5000 mg/kg.*

May cause allergenic reactions in susceptible people.\*

\*: By analogy to product with similar composition.

#### 12. ECOLOGICAL INFORMATION

Biodegradability:	Readily biodegradable.*
Aquatic toxicity:	None based on components LC50 > 100 mg/l - aquatic species (calculated data following Dir. 1999/45/CE)

\* = Literature data.

Use according to criteria of good industrial practice, avoiding product dispersion in the environment.

#### 13. DISPOSAL CONSIDERATIONS

If possible recover the product, otherwise dispose of in authorized landfill or incinerate in accordance with local regulation.

#### 14. TRANSPORT INFORMATION

Road (ADR):	Not applicable.
Rail (RID):	Not applicable.
Air (ICAO/IATA):	Not applicable.
Sea (IMO/IMDG):	Not applicable.

#### 15. REGULATORY INFORMATION

Main general legislation, when and if applicable :  
Current European regulations relating classification, packaging and labelling of dangerous substances and preparations (1999/45/EC) and current adaptation of Council Directive 67/548/EEC.

The product is not considered dangerous.

Refer to other local regulations that may be relevant (i.e. : sanitary control, waste treatment etc.)

#### 16. OTHER INFORMATION

Main bibliographic sources:  
TOXNET - Databases on toxicology, hazardous chemicals, environmental health, and toxic releases;  
NIOSH - Registry of toxic effects of chemical substances (1983) - Occupational Health Guidelines for Chemical Hazards (1995) - Pocket Guide to Chemical Hazards (on line)  
European Chemical Bureau - ESIS: European chemical Substances Information System; CESIO



## Safety Data Sheet

### GUAR GUM (3500 / 5000)

- Classification and labelling of anionic, nonionic surfactants (January 2000).  
M.Sittig-Handbook of toxic and Hazardous Chemicals and Carcinogens- III Ed.  
E.R. Plunkett - Handbook of Industrial Toxicology - III Ed. 1991.  
SAX'S Dangerous Properties of Industrial Materials. VIII (1993)  
Samson Chem. Pub.-Chemical Safety Sheet working safely with hazardous chemical.  
ACGIH "2009 TLVs and BEIs"  
ILV "2000/39/EC Directive"

The product must be stored, handled and used according to criteria of good industrial practice and to regulations in force. This leaflet is offered for your consideration and guidance only. This leaflet complements the Technical Data Sheet but does not replace it. The information herein contained is given to the best of our knowledge at the time of issue.

Due to the several ways in which the product may be used and the possible interaction with variables not depending on or unknown to the supplier, we also cannot accept any liability whatsoever for any loss or damage however arising from the handling and use of our products.

Modified items in comparison with the previous edition.

2. COMPOSITION/INFORMATION ON INGREDIENTS
3. HAZARDS IDENTIFICATION
4. FIRST AID MEASURES
5. FIRE-FIGHTING MEASURES
6. ACCIDENTAL RELEASE MEASURES
7. HANDLING AND STORAGE
8. EXPOSURE CONTROLS/PERSONAL PROTECTION
9. PHYSICAL AND CHEMICAL PROPERTIES
10. STABILITY AND REACTIVITY
11. TOXICOLOGICAL INFORMATION
12. ECOLOGICAL INFORMATION
13. DISPOSAL CONSIDERATIONS
14. TRANSPORT INFORMATION
15. REGULATORY INFORMATION
16. OTHER INFORMATION