

**APPENDIX 11**

**SAFETY DATA  
SHEET**

**Material Safety Data Sheet**  
According to 91/155/EEC

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Printing date 08.07.2002

Reviewed on 08.07.2002

**1 Identification of the substance/preparation and of the company/undertaking**

**Product details**

Trade name: **BETA SITOSTEROL**

Article number: 008100

Application of the substance / the preparation: Butter marking, pharmacy.

**Manufacturer/Supplier:**

D.R.T.  
30 rue Gambetta  
BP 206  
F-40105 DAX CEDEX  
FRANCE  
Tel: 33-(0)558566200  
Fax: 33-(0)558566222  
Email: drtsales@drt.fr

**2 Composition/information on ingredients**

**Chemical characterization:**

CAS Number: 83-46-5 / 68555-08-8

EINECS Number: 201-480-6 / 271-413-3

Description: Beta sitosterol.

**3 Hazards identification**

Information concerning to particular hazards to man and environment: None.

**Additional information:**

Dust may ignite on contact with electrostatic discharge or exposure to flamme or other sources of ignition.

**4 First-aid measures**

**After skin contact:**

Immediately rinse with plenty of water.  
If skin irritation continues, consult a doctor.

**After eye contact:**

Remove contact lenses.  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

**After swallowing:** Consult doctor in case of complaints.

**5 Fire-fighting measures**

**Suitable extinguishing agents:**

Foam  
Fire-extinguishing powder  
Carbon dioxide (CO<sub>2</sub>)

**Protective equipment:**

Mount respiratory protective device.  
Do not inhale explosion gases or combustion gases.

**Additional information:** Cool endangered receptacles with water spray.

**6 Accidental release measures**

Person-related safety precautions: Not required.

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**Measures for environmental protection:**

Do not allow product to reach sewage system or any water course.

**Measures for cleaning/collecting:**

Pick up mechanically.

Dispose of the material collected according to regulations.

### 7 Handling and storage

**Handling:****Information for safe handling:** Ensure good ventilation/exhaustion at the workplace.**Information about fire - and explosion protection:** Protect from heat.**Storage:****Requirements to be met by storerooms and receptacles:**

Store in a cool location.

Store only in the original receptacle.

### 8 Exposure controls/personal protection

**Ingredients with limit values that require monitoring at the workplace:** Not required.**Additional information:** The lists valid during the making were used as basis.**Personal protective equipment:****General protective and hygienic measures:**

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

**Eye protection:** Safety glasses

### 9 Physical and chemical properties

**General Information**

<b>Form:</b>	Powder
<b>Colour:</b>	White
<b>Odour:</b>	Odourless

**Change in condition****Melting point/Melting range:** 139-142°C**Boiling point/Boiling range:** Undetermined.**Flash point:** Undetermined.**Auto-ignition temperature:** 340°C**Density:** Not determined.**Solubility in / Miscibility with**

<b>water:</b>	Insoluble.
<b>alcohols:</b>	Soluble in ethanol.
<b>chlorohydrocarbons:</b>	Soluble in chloroforme.

### 10 Stability and reactivity

**Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.**Dangerous reactions**

Dust may ignite on contact with electrostatic discharge or exposure to flamme or other sources of ignition.

**Dangerous decomposition products:** No dangerous decomposition products known.

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Additional information: Keep dust away from sources of ignition.

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**11 Toxicological information**

**Acute toxicity:**

**LD/LC50 values relevant for classification:**

Oral	LD50	> 2000 mg/kg (rat)
		OECD 401

**Primary irritant effect:**

**on the skin:** No irritating effect.

**on the eye:** Powdery product. In case of eye contact, may cause slight irritation by mechanical effect.

**Sensitization:**

The product is not sensitizing by skin contact according to the Magnusson & Kligman's method (Guinea Pig Maximization Test).

**Additional toxicological information:**

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

**12 Ecological information**

**General notes:**

At present there are no ecotoxicological assessments.

Do not allow product to reach ground water, water course or sewage system.

**13 Disposal considerations**

**Product:**

**Recommendation:**

Can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.

**Uncleaned packaging:**

**Recommendation:** Disposal must be made according to official regulations.

**14 Transport information**

**Land transport ADR/RID (cross-border)**

ADR/RID class: -

**Maritime transport IMDG:**

IMDG Class: -

**Air transport ICAO-TI and IATA-DGR:**

ICAO/IATA Class: -

**Transport/Additional information:** Not dangerous according to the above specifications.

**15 Regulatory information**

**Labelling according to EU guidelines:**

The substance is not subject to classification according to EU lists and other sources of literature known to us.

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Observe the general safety regulations when handling chemicals.

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**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.

Data compared to the previous version altered.

Update according to directive 2001/58/EC.

Version of 08/07/02 : supersedes previous versions.

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