

# Material Safety Data Sheet



**600115 Dragosantol® 100**

Version 2

Revision Date 04/29/2010

Print Date 05/18/2010

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Dragosantol® 100  
Product code : 600115  
Company : Symrise , Inc.  
300 North Street  
Teterboro, NJ 07608  
For information call : 800-422-1559 or evenings, call: 973-256-2930  
**Emergency Phone Number : 866-307-3001**

The emergency contact should only be used in the event of chemical emergencies involving a spill, leak, fire exposure or accident involving chemicals.

## 2. HAZARDS IDENTIFICATION

The following evaluation is in compliance with 29 CFR 1910.1200.

### Emergency Overview

This product is : clear liquid - colorless to pale yellow  
Water solubility : immiscible  
Odour : characteristic  
Flash point : > 212 °F / > 100 °C  
Flammability (DOT173) : none  
Flammability (OSHA) : None.  
OSHA PHYSICAL HAZARD (OTHER): : None.

### Acute Health Hazard

Eyes : Mild Eye Irritant  
Skin : Mild Skin Irritant  
Inhalation : Mild Inhalation Irritant  
LD50 Oral : Not Toxic  
LD50 Dermal : Not Toxic  
LC50 Inhalation : Not Toxic

### Chronic Health Hazard:

This material has not been found to be carcinogenic per NTP.  
This material has not been found to be carcinogenic per IARC.

# Material Safety Data Sheet



**600115 Dragosantol® 100**

Version 2

Revision Date 04/29/2010

Print Date 05/18/2010

This material has not been found to be carcinogenic per OSHA.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name : 3-Cyclohexene-1-methanol, .alpha.,4-dimethyl-.alpha.-(4-methyl-3-pentenyl)-, (.alpha.R,1R)-rel-  
CAS-No. : 515-69-5  
Product Type : Raw material

### 4. FIRST AID MEASURES

#### Emergency and First Aid Procedures:

Eye contact : Irrigate thoroughly with plenty of water until discomfort is relieved. Consult a physician for proper medical care.

Skin contact : Take off all contaminated clothing immediately. Wash off immediately with soap and plenty of water. If symptoms persist, call a physician.

Inhalation : If signs of dizziness and/or nausea occur, then remove the person immediately to fresh outside air.

Ingestion : If accidentally swallowed obtain immediate medical attention.

### 5. FIRE-FIGHTING MEASURES

Flash point : > 212 °F / > 100 °C

HMIS Rating : Flammability: 1  
Health: 0  
Reactivity: 0

0 = Insignificant  
1 = Slight  
2 = Moderate  
3 = Serious  
4 = Severe

NFPA Classification : Class IIIB

Flammability (OSHA) : None.

Suitable extinguishing media : Dry chemical  
Carbon dioxide (CO<sub>2</sub>)

Unsuitable media : Water may be ineffective.

Special protective equipment and precautions for fire-fighters : Follow NFPA Chapter 30 Fire Prevention Methods.

Specific hazards arising from the chemical : None.

**600115 Dragosantol® 100**

Version 2

Revision Date 04/29/2010

Print Date 05/18/2010

**6. ACCIDENTAL RELEASE MEASURES**

- This product is : clear liquid - colorless to pale yellow
- Water solubility : immiscible
- Odour : characteristic
- Methods for cleaning up : Cover with an inert absorbent material and remove to a disposal container. Mop up and then wash with soapy water.
- Disposal Considerations : Dispose of in accordance with local regulations. Observe local, state and federal regulations. Incineration is the most recommended disposal method.

Based on the UN Number Classification, any spill or leak or fire control procedure should follow the emergency response guidebook (ERG) Guideline Number 171.

**7. HANDLING AND STORAGE**

Use only in well-ventilated areas. Handle in accordance with good industrial hygiene and safety practice. For industrial use only. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat and flame.

- Flammability (OSHA) : None.
- OSHA PHYSICAL HAZARD (OTHER): : None.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Guidelines**

Although no TLV/TWA is established for this product by Federal standards, we recommend a lowest achievable TLV by means of sufficient ventilation.

- Respiratory protection : Respirator with filter for organic vapour
- Ventilation protection : Ensure adequate ventilation.
- Eye protection : Chemical resistant goggles must be worn.
- Hand protection : Wear suitable gloves.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

- Form : clear liquid
- Color : colorless to pale yellow
- Odour : characteristic

# Material Safety Data Sheet



## 600115 Dragosantol® 100

Version 2

Revision Date 04/29/2010

Print Date 05/18/2010

Flash point	:	> 212 °F / > 100 °C
Water solubility	:	immiscible
Specific Gravity (range)	:	0.9240 - 0.9320 at 68 °F / 20 °C Note: relation to density of water at 4°C
Evaporation rate	:	Note: Lower than the evaporation rate of butyl acetate = 1
Molecular Weight	:	222.72 g/mol

### 10. STABILITY AND REACTIVITY

Chemical Stability	:	Stable
Possibility of Hazardous reactions	:	Will Not Occur
Conditions to avoid	:	None.
Materials to avoid	:	None.
Hazardous decomposition products	:	None.

### 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity	:	LD50 rat Dose: > 20,000 mg/kg
Acute dermal toxicity	:	LD50 rat Dose: > 15,000 mg/kg
Acute inhalation toxicity	:	Please refer to section 2 for toxicological information.

### 12. ECOLOGICAL INFORMATION

#### Ecotoxicity effects

Toxicity to fish	:	LC50 Species: Leuciscus idus (Golden orfe) Dose: > 4.6 - 10 mg/l Exposure time: 96 h
Toxicity to bacteria	:	EC10 Species: Pseudomonas putida Dose: > 10,000 mg/l Exposure time: 16 h

### 13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations. Observe, local, state and federal regulations. Incineration is the most recommended disposal method.

**600115 Dragosantol® 100**

Version 2

Revision Date 04/29/2010

Print Date 05/18/2010

**14. TRANSPORT INFORMATION**

**49CFR Road**

UN-Number : 3082  
Description of the goods : Environmentally hazardous substances, liquid, n.o.s. UN 3082 (ALPHA-BISABOLOL),9,III"

Class : 9  
Packaging group : III

**IMDG**

UN Number : 3082  
Description of the goods : UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. MP (ALPHA-BISABOLOL),9,PGIII,IMDG

Class : 9  
Packaging group : III  
ADR/RID-Labels : 9  
EmS Number 1 : F-A  
EmS Number 2 : S-F

**IATA-DGR**

UN Number : 3082  
Description of the goods : Environmentally hazardous substance, liquid, n.o.s. (ALPHA-BISABOLOL)

Class : 9  
Packaging group : III  
Cargo \ Packing Instruction : 914  
Qty / Pkg. : 450.00 L

Passenger\Packing Instruction : 914  
Qty / Pkg. : 450.00 L

**15. REGULATORY INFORMATION**

**Toxic Substances Control Act (TSCA) Inventory Status**

This product is listed on the TSCA inventory

**SARA Title III Section 313**

This product contains no chemicals subject to the reporting requirements of section 313 of SARA.

**US. EPA CERCLA Hazardous Substances (40 CFR 302)**

In accordance with SARA CERCLA 302.4 Regulations, if a release occurs in a quantity equal to or exceeding the reportable quantity, notification must be immediately made to the National Response Center at 800-424-8802.

A release is considered any spilling, leaking, pumping, pouring, emitting, emptying, discharging, escaping, dumping or disposing into the environment.

Contains no CERCLA reportable ingredients.

Material Safety Data Sheet



**600115 Dragosantol® 100**

Version 2

Revision Date 04/29/2010

Print Date 05/18/2010

**California Prop. 65**

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

**16. OTHER INFORMATION**

**Further information**

These safety guidelines are based on information obtained from reliable sources. Prudent use and handling as part of good manufacturing practices is advised. Employees must be trained to handle material safely and wear recommended P.P.E.

This new MSDS was created to conform with OSHA hazard communication standard 29CFR 1910.1200. Please discard previous form.

This MSDS was prepared by the Regulatory Affairs Department.