



# SAFETY DATA SHEET

## LANDACANOL

### 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

<b>PRODUCT NAME</b>	LANDACANOL
<b>CAS-No.</b>	65113-99-7
<b>EC No.</b>	265-453-0
<b>SUPPLIER</b>	Lansdowne Chemicals Winstons house, Carterton, Oxfordshire OX18 3EZ +44 (0) 1993 843081 +44 (0) 1993 841261 Techincal department msds@lansdownearomatics.com
<b>PRODUCT NO.</b>	LANDAC
<b>EMERGENCY TELEPHONE</b>	EMERGENCY INFORMATION OUT OF OFFICE HOURS, PLEASE CONTACT CARECHEM 24: +44 (0)1270 502891 OR +44 (0)1865 407333

### 2 HAZARDS IDENTIFICATION

Irritating to skin. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**CLASSIFICATION (1999/45)** Xi;R38. N;R50/53.

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification (67/548)
2-ETHYL-4-(2,2,3-TRIMETHYL-3-CYCLOPENTEN-1-YL) 2-BUTEN-1-OL TRANS ISOMER	248-908-8	28219-61-6	60-100%	Xi;R38. N;R50/53.

The Full Text for all R-Phrases are Displayed in Section 16

<b>EC No.</b>	265-453-0
<b>CAS-No.</b>	65113-99-7

### 4 FIRST-AID MEASURES

#### INHALATION

Move the exposed person to fresh air at once. Get medical attention.

#### INGESTION

Immediately rinse mouth and provide fresh air. Get medical attention.

#### SKIN CONTACT

Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if any discomfort continues.

#### EYE CONTACT

Important! Immediately rinse with water for at least 15 minutes. Get medical attention if any discomfort continues.

### 5 FIRE-FIGHTING MEASURES

#### EXTINGUISHING MEDIA

Extinguish with foam, carbon dioxide or dry powder. Do not use water jet.

#### SPECIAL FIRE FIGHTING PROCEDURES

Water spray should be used to cool containers.

#### PROTECTIVE MEASURES IN FIRE

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

# LANDACANOL

## 6 ACCIDENTAL RELEASE MEASURES

### PERSONAL PRECAUTIONS

Wear protective clothing as described in Section 8 of this safety data sheet.

### ENVIRONMENTAL PRECAUTIONS

Do not discharge into drains, water courses or onto the ground.

### SPILL CLEAN UP METHODS

Cover with inert, non-combustible, inorganic absorbent material Sweep up and removed to an approved disposal container. Avoid open flames and other sources of ignition.

## 7 HANDLING AND STORAGE

### USAGE PRECAUTIONS

Do not eat, drink or smoke when using the product. Provide good ventilation. Observe good chemical hygiene practices.

### STORAGE PRECAUTIONS

Store in tightly closed original container in a dry and cool place. Keep away from heat, sparks and open flame. Protect from air.

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

### INGREDIENT COMMENTS

No exposure limits noted for ingredient(s).

### PROTECTIVE EQUIPMENT



### ENGINEERING MEASURES

Provide adequate general and local exhaust ventilation.

### RESPIRATORY EQUIPMENT

If ventilation is insufficient, suitable respiratory protection must be provided.

### HAND PROTECTION

Use suitable protective gloves if risk of skin contact.

### EYE PROTECTION

Wear approved safety goggles.

### OTHER PROTECTION

Provide eyewash station and safety shower.

### HYGIENE MEASURES

Wash hands after handling.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Viscous liquid Clear
COLOUR	Colourless to pale yellow
FLASH POINT (°C)	93

## 10 STABILITY AND REACTIVITY

### STABILITY

Stable under normal temperature conditions and recommended use.

### MATERIALS TO AVOID

Strong alkalis. Strong acids. Strong oxidising substances.

### HAZARDOUS DECOMPOSITION PRODUCTS

Carbon monoxide (CO). Unidentified organic compounds may be formed during combustion

## 11 TOXICOLOGICAL INFORMATION

TOXIC DOSE 1 - LD 50	>5000 mg/kg (oral rat)
TOXIC DOSE 2 - LD 50	>2000 mg/kg (skn-rbt)

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## TOXICOLOGICAL INFORMATION

To the best of our knowledge, the chemical/physical/toxicological properties have not been thoroughly investigated.

### INHALATION

May be harmful if inhaled. May be irritating to mucous membranes and upper respiratory tract

### INGESTION

May be harmful if swallowed.

### SKIN CONTACT

May be harmful if absorbed through the skin. May cause skin irritation

### EYE CONTACT

May cause eye irritation.

## 12 ECOLOGICAL INFORMATION

### ECOTOXICITY

No data on possible environmental effects have been found.

### WATER HAZARD CLASSIFICATION

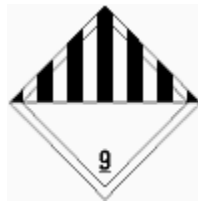
Do not allow product to reach ground water/water bodies/sewage systems.

## 13 DISPOSAL CONSIDERATIONS

### DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

## 14 TRANSPORT INFORMATION



<b>PROPER SHIPPING NAME</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (2-ETHYL-4-(2, 2, 3-TRIMETHYL-3-CYCLOPENTEN-1-YL)2-BUTEN-1-OL TRANS ISOMER)		
<b>UN NO. ROAD</b>	3082	<b>ADR CLASS NO.</b>	9
<b>ADR CLASS</b>	Class 9: Miscellaneous dangerous substances and articles.	<b>ADR PACK GROUP</b>	III
<b>TUNNEL RESTRICTION CODE</b>	(E)	<b>HAZARD NO. (ADR)</b>	90 Environmentally hazardous substance; miscellaneous dangerous substances.
<b>UN NO. SEA</b>	3082	<b>IMDG CLASS</b>	9
<b>IMDG PACK GR.</b>	III	<b>UN NO. AIR</b>	3082
<b>AIR CLASS</b>	9	<b>AIR PACK GR.</b>	III

## 15 REGULATORY INFORMATION

### LABELLING



Irritant



Dangerous for the environment

### CONTAINS

2-ETHYL-4-(2,2,3-TRIMETHYL-3-CYCLOPENTEN-1-YL) 2-BUTEN-1-OL TRANS ISOMER

### RISK PHRASES

R38  
R50/53

Irritating to skin.  
Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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## SAFETY PHRASES

S24	Avoid contact with skin.
S37	Wear suitable gloves.
S57	Use appropriate containment to avoid environmental contamination.
S60	This material and its container must be disposed of as hazardous waste.
S61	Avoid release to the environment. Refer to special instructions/safety data sheets.

## 16 OTHER INFORMATION

### GENERAL INFORMATION

DISCLAIMER: This safety data sheet relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.

### INFORMATION SOURCES

Material Safety Data Sheet, Misc. manufacturers.

### REVISION COMMENTS

Revision due to amendment of contents in section: 14, 16.

REVISION DATE 08-10

REV. NO./REPL. SDS 002

GENERATED

SDS NO. 11198

DATE 08-10

### RISK PHRASES IN FULL

R38 Irritating to skin.

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.