

SAFETY DATA SHEET

LANDACANOL

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

PRODUCT NAME LANDACANOL

PRODUCT NO. LANDAC

EMERGENCY INFORMATION OUT OF OFFICE HOURS, PLEASE CONTACT CARECHEM 24: +44 (0)1270 502891 OR +44 (0)1865 407333

SUPPLIER Lansdowne Chemicals
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2 HAZARDS IDENTIFICATION

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

CLASSIFICATION Xi;R38. N;R50/53.

3 COMPOSITION/INFORMATION ON INGREDIENTS

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

RISK PHRASES R38, R50/53

EC No. 248-908-8

CAS-No. 28219-61-6

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.

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 industrial hygiene practices.

STORAGE PRECAUTIONS Store in tightly closed original container in a dry, cool and well-ventilated 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).

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



Irritant



Dangerous for the environment

11 TOXICOLOGICAL INFORMATION

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

TRANSPORT LABELS



PROPER SHIPPING NAME ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (LANDACANOL)
UN NO. ROAD 3082
ADR CLASS NO. 9
ADR CLASS Class 9: Miscellaneous dangerous substances and articles.
ADR PACK GROUP III
TUNNEL RESTRICTION CODE (E)
HAZARD NO. (ADR) 90 Environmentally hazardous substance; miscellaneous dangerous substances.
UN NO. SEA 3082
IMDG CLASS 9
IMDG PACK GR. III
UN NO. AIR 3082
AIR CLASS 9
AIR PACK GR. III

15 REGULATORY INFORMATION

RISK PHRASES

R38 Irritating to skin.
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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 INFORMATIONDISCLAIMER: 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 This is first issue.

REVISION DATE 06-09
REV. NO./REPL. SDS GENERATED 000
SDS NO. 11198
DATE 06-09

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