

## SAFETY DATA SHEET

## NATURAL GAMMA DECALACTONE

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

PRODUCT NAME NATURAL GAMMA DECALACTONE

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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Techincal department  
msds@lansdownearomatics.com

**2 HAZARDS IDENTIFICATION**

HAZARD ID Irritating to eyes, respiratory system and skin.

CLASSIFICATION Xi;R36/37/38.

**3 COMPOSITION/INFORMATION ON INGREDIENTS**

Name 4-HYDROXYDECANOIC ACID  
EC No. GAMMA LACTONE

CAS-No. 706-14-9

Content 60-100%

Classification Xi;R36/37/38.

RISK PHRASES R36/37/38

EC No. 211-892-8

GROSS FORMULA C10H18O2

CAS-No. 706-14-9

**4 FIRST-AID MEASURES**

INHALATION Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

INGESTION NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS!  
Immediately rinse mouth and provide fresh air. Get medical attention if any discomfort continues.

SKIN CONTACT Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

EYE CONTACT Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.

**5 FIRE-FIGHTING MEASURES**

EXTINGUISHING MEDIA Water spray. Foam, carbon dioxide or dry powder.

SPECIAL FIRE FIGHTING PROCEDURES Use supplied air respirator if product is involved in a fire.

UNUSUAL FIRE & EXPLOSION HAZARDS No unusual fire or explosion hazards noted. If heated, volume and pressure increases strongly, resulting in explosion of container.

SPECIFIC HAZARDS Toxic gases/vapours/fumes of Oxides of: Carbon.

PROTECTIVE MEASURES IN FIRE Use air-supplied respirator during fire fighting. Wear full protective clothing.

**6 ACCIDENTAL RELEASE MEASURES**

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

ENVIRONMENTAL PRECAUTIONS Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body. Avoid release to the environment.

SPILL CLEAN UP METHODS Stop leak if possible without risk. Absorb with inert, damp, non-combustible material, then flush area with water.

**7 HANDLING AND STORAGE**

USAGE PRECAUTIONS Avoid spilling, skin and eye contact.

STORAGE PRECAUTIONS Store in tightly closed original container in a dry, cool and well-ventilated place. Protect from freezing and direct sunlight. Protect from moisture and wet air. Store in closed original container at temperatures between 5°C and 25°C.

STORAGE CLASS Unspecified storage.

**8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

INGREDIENT COMMENTS No exposure limits noted for ingredient(s).

PROTECTIVE EQUIPMENT



PROCESS CONDITIONS Provide eyewash, quick drench.

ENGINEERING MEASURES Provide adequate general and local exhaust ventilation.

RESPIRATORY EQUIPMENT No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists.

HAND PROTECTION Use protective gloves.  
 EYE PROTECTION Wear approved safety goggles.  
 HYGIENE MEASURES Wash at the end of each work shift and before eating, smoking and using the toilet.

**9 PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE Liquid  
 COLOUR Colourless to pale yellow  
 ODOUR Fruity. Peach odour Oil smell  
 SOLUBILITY Slightly soluble in water. Soluble in Alcohol  
 MOL. WEIGHT 170.25  
 BOILING POINT (°C) 281  
 RELATIVE DENSITY 0.9275-0.9775  
 FLASH POINT (°C) 113 CC (Closed cup).  
 REFRACTIVE INDEX @20 DEG C 1.4470-1.4510

**10 STABILITY AND REACTIVITY**

STABILITY Stable under normal temperature conditions and recommended use. Avoid temperatures above 30 Deg C  
 CONDITIONS TO AVOID Avoid excessive heat for prolonged periods of time.  
 MATERIALS TO AVOID Strong oxidising substances. Strong acids.  
 HAZARDOUS DECOMPOSITION PRODUCTS Toxic gases/vapours/fumes of: Oxides of: Carbon.

**11 TOXICOLOGICAL INFORMATION**

TOXIC DOSE 1 - LD 50 56 mg/kg (ivn-mouse)  
 TOXICOLOGICAL INFORMATION Skin-rabbit (500mg/24 hours) = Moderate.  
 INHALATION No specific health warnings noted.  
 INGESTION May cause discomfort if swallowed.  
 SKIN CONTACT Liquid may irritate skin.  
 EYE CONTACT Irritating to eyes.

**12 ECOLOGICAL INFORMATION**

ECOTOXICITY No data on possible environmental effects have been found.

**13 DISPOSAL CONSIDERATIONS**

DISPOSAL METHODS Dispose of waste and residues in accordance with local authority requirements. Dispose of on site landfill area.

**14 TRANSPORT INFORMATION**

ADR CLASS Not classified for transportation.

**15 REGULATORY INFORMATION**



Irritant

RISK PHRASES

R36/37/38 Irritating to eyes, respiratory system and skin.

SAFETY PHRASES

S24/25 Avoid contact with skin and eyes.  
 S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
 S37 Wear suitable gloves.  
 S60 This material and its container must be disposed of as hazardous waste.

**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 DATE 09/06

REV. NO./REPL. SDS 002

GENERATED

RISK PHRASES IN FULL Irritating to eyes, respiratory system and skin.

