



# SAFETY DATA SHEET

## 2,5-HEXANEDIONE

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

**PRODUCT NAME** 2, 5-HEXANEDIONE  
**CAS-No.** 110-13-4  
**EC No.** 203-738-3  
**SUPPLIER** Lansdowne Chemicals  
Winstons house,  
Carterton,  
Oxfordshire  
OX18 3EZ  
+44 (0) 1993 843081  
+44 (0) 1993 841261  
Techincal department  
msds@lansdownearomatics.com  
**PRODUCT NO.** 2, 5HEX

### 2 HAZARDS IDENTIFICATION

Irritating to eyes, respiratory system and skin.

**CLASSIFICATION (1999/45)** Xi;R36/37/38.

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification (67/548)
2,5-HEXANEDIONE	203-738-3	110-13-4	60-100%	Xi;R36/37/38.

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

**EC No.** 203-738-3  
**CAS-No.** 110-13-4

### 4 FIRST-AID MEASURES

#### INHALATION

Move the exposed person to fresh air at once. Perform artificial respiration if breathing has stopped. Keep the affected person warm and at rest. Get prompt medical attention.

#### INGESTION

NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Get medical attention.

#### SKIN CONTACT

Remove affected person from source of contamination. Promptly wash contaminated skin with soap or mild detergent and water. Promptly remove clothing if soaked through and wash as above. Get medical attention promptly if symptoms occur after washing.

#### EYE CONTACT

Promptly wash eyes with plenty of water while lifting the eye lids. Get medical attention if any discomfort continues.

### 5 FIRE-FIGHTING MEASURES

#### EXTINGUISHING MEDIA

Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.

#### SPECIAL FIRE FIGHTING PROCEDURES

Use supplied air respirator if product is involved in a fire. Use special protective clothing. Regular protection may not be safe. 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.

# 2,5-HEXANEDIONE

## 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

Absorb with inert, damp, non-combustible material, then flush area with water. Place in suitable containers for disposal, labelled appropriately. Remove sources of ignition.

## 7 HANDLING AND STORAGE

### USAGE PRECAUTIONS

Avoid spilling, skin and eye contact.

### STORAGE PRECAUTIONS

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

### STORAGE CLASS

Chemical storage.

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

### INGREDIENT COMMENTS

WEL = Workplace Exposure Limits

### PROTECTIVE EQUIPMENT



### ENGINEERING MEASURES

Provide adequate general and local exhaust ventilation.

### RESPIRATORY EQUIPMENT

No specific recommendation made, but protection must be used when the general level exceeds 10 mg/m<sup>3</sup>.

### HAND PROTECTION

Use protective gloves. Obtain the appropriate professional advice taking into account of the conditions under which the glove is used.

### EYE PROTECTION

Wear approved chemical safety goggles where eye exposure is reasonably probable.

### OTHER PROTECTION

Provide eyewash station and safety shower.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>APPEARANCE</b>	Clear liquid		
<b>COLOUR</b>	Clear Brownish		
<b>MOL. WEIGHT</b>	114.14	<b>BOILING POINT (°C)</b>	191 760 mm Hg
<b>MELTING POINT (°C)</b>	-6	<b>RELATIVE DENSITY</b>	0.973
<b>VAPOUR DENSITY (air=1)</b>	3.9	<b>VAPOUR PRESSURE</b>	0.57 mbar 20

## 10 STABILITY AND REACTIVITY

### STABILITY

Stable under normal temperature conditions.

### CONDITIONS TO AVOID

Avoid heat, flames and other sources of ignition.

### HAZARDOUS POLYMERISATION

Will not polymerise.

### MATERIALS TO AVOID

Strong acids. Strong alkalis. Oxidising agents.

# 2,5-HEXANEDIONE

## HAZARDOUS DECOMPOSITION PRODUCTS

Toxic gases/vapours/fumes of: Carbon monoxide (CO).

### 11 TOXICOLOGICAL INFORMATION

**TOXIC DOSE 1 - LD 50** 6.6 ml/kg skn-guinea pig**TOXIC DOSE 2 - LD 50** 1600 mg/kg (oral rat)

#### INHALATION

Irritating to respiratory system.

#### INGESTION

May be harmful if swallowed.

#### SKIN CONTACT

Irritating to 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.

### 14 TRANSPORT INFORMATION

<b>ADR CLASS</b>	No transport warning sign required. Not classified for transportation.
------------------	---

### 15 REGULATORY INFORMATION

#### LABELLING



Irritant

**CONTAINS** 2,5-HEXANEDIONE

#### 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.
S51	Use only in well-ventilated areas.
S60	This material and its container must be disposed of as hazardous waste.

### 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.

# 2,5-HEXANEDIONE

## REVISION COMMENTS

This is first issue.

REVISION DATE 05-10

REV. NO./REPL. SDS 000

GENERATED

SDS NO. 11270

DATE 05-10

## RISK PHRASES IN FULL

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