



## SAFETY DATA SHEET

### MANZANATE

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

<b>PRODUCT NAME</b>	MANZANATE
<b>PRODUCT NO.</b>	MAN
<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>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

Flammable.

**CLASSIFICATION** R10.

#### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
ETHYL 2-METHYLPENTANOATE	254-384-1	39255-32-8	60-100%	R10.

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

**EC No.** 254-384-1

**CAS-No.** 39255-32-8

#### 4 FIRST-AID MEASURES

##### INHALATION

Move the exposed person to fresh air at once. Seek medical advice if symptoms persist.

##### INGESTION

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

##### SKIN CONTACT

Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if irritation persists after washing.

##### EYE CONTACT

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Obtain medical attention and bring these instructions.

#### 5 FIRE-FIGHTING MEASURES

##### EXTINGUISHING MEDIA

Extinguish with foam, carbon dioxide or dry powder. Do not use water jet as an extinguisher, as this will spread the fire.

##### 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.

# MANZANATE

## 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. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate.

## 7 HANDLING AND STORAGE

### USAGE PRECAUTIONS

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

### STORAGE PRECAUTIONS

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

## 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

No specific recommendation made, but protection must be used when the general level exceeds 10 mg/m3.

### 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 promptly with soap & water if skin becomes contaminated.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>APPEARANCE</b>	Clear liquid Mobile		
<b>COLOUR</b>	Colourless		
<b>ODOUR</b>	Fresh. Fruity. Apple scent herb, pineapple.		
<b>BOILING POINT (°C)</b>	153 (1013 mbar)	<b>FLASH POINT (°C)</b>	39 Not noted.

## 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). Carbon dioxide (CO2). Unidentified organic compounds may be formed during combustion

# MANZANATE

## 11 TOXICOLOGICAL INFORMATION

### TOXICOLOGICAL INFORMATION

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

#### INHALATION

May be harmful if inhaled.

#### INGESTION

May be harmful if swallowed.

#### SKIN CONTACT

May be harmful if absorbed through the skin.

#### EYE CONTACT

May cause eye irritation.

## 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>UK ROAD CLASS</b>	3		
<b>PROPER SHIPPING NAME</b>	ESTERS, N.O.S. (ETHYL 2-METHYLPENTANOATE)		
<b>UN NO. ROAD</b>	3272	<b>UK ROAD PACK GR.</b>	III
<b>ADR CLASS NO.</b>	3	<b>ADR CLASS</b>	Class 3: Flammable liquids.
<b>ADR PACK GROUP</b>	III	<b>HAZARD NO. (ADR)</b>	30 Flammable liquid (flash-point between 23°C and 61°C, inclusive) or flammable liquid or solid in the molten state with a flash-point above 61°C, heated to a temperature equal to or above its flash-point, or self heating liquid.
<b>UN NO. SEA</b>	3272	<b>IMDG CLASS</b>	3
<b>IMDG PACK GR.</b>	III	<b>UN NO. AIR</b>	3272
<b>AIR CLASS</b>	3	<b>AIR PACK GR.</b>	III

## 15 REGULATORY INFORMATION

<b>CONTAINS</b>	ETHYL 2-METHYLPENTANOATE	
<b>RISK PHRASES</b>	R10	Flammable.
<b>SAFETY PHRASES</b>	S51	Use only in well-ventilated areas.
	S60	This material and its container must be disposed of as hazardous waste.

# MANZANATE

## 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: 1, 16.

REVISION DATE 07-09

REV. NO./REPL. SDS 001

### GENERATED

SDS NO. 11116

DATE 07-09

### RISK PHRASES IN FULL

R10 Flammable.