



SAFETY DATA SHEET

2-METHYLTETRAHYDROFURAN-3-ONE

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

PRODUCT NAME	2-METHYLTETRAHYDROFURAN-3-ONE
PRODUCT NO.	2MHF3
SUPPLIER	Lansdowne Chemicals Winstons house, Carterton, Oxfordshire OX18 3EZ +44 (0) 1993 843081 +44 (0) 1993 841261 Techincal department msds@lansdownearomatics.com
EMERGENCY TELEPHONE	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
2-METHYLTETRAHYDROFURAN-3-ONE	221-685-4	3188-00-9	60-100%	R10.

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

EC No. 221-685-4

CAS-No. 3188-00-9

4 FIRST-AID MEASURES

INHALATION

Move the exposed person to fresh air at once. If breathing stops, provide artificial respiration. For breathing difficulties oxygen may be necessary.

INGESTION

Immediately rinse mouth and provide fresh air. Do not give victim anything to drink if they are unconscious. Get medical attention immediately!

SKIN CONTACT

Remove contaminated clothing immediately and wash skin with soap and water.

EYE CONTACT

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention immediately. Continue to rinse.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

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

SPECIAL FIRE FIGHTING PROCEDURES

Water spray should be used to cool containers.

UNUSUAL FIRE & EXPLOSION HAZARDS

Emits toxic fumes under fire conditions. Combustible liquid Combustible liquid

2-METHYLTETRAHYDROFURAN-3-ONE

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. Hold for waste disposal For waste disposal, see section 13. Ventilate area and wash spill site after material pickup is complete.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Avoid inhalation of vapours. Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated exposure.

STORAGE PRECAUTIONS

Store in tightly closed original container in a dry, cool and well-ventilated place. 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

Wear suitable respiratory protection.

HAND PROTECTION

Use protective gloves.

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

APPEARANCE	Clear liquid		
COLOUR	Light yellow Green		
BOILING POINT (°C)	139	RELATIVE DENSITY	1.045
FLASH POINT (°C)	39		

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions and recommended use.

HAZARDOUS POLYMERISATION

Will not occur.

2-METHYLTETRAHYDROFURAN-3-ONE**MATERIALS TO AVOID**

Strong oxidising substances.

HAZARDOUS DECOMPOSITION PRODUCTSCarbon monoxide (CO). Carbon dioxide (CO₂).**11 TOXICOLOGICAL INFORMATION****TOXIC DOSE 1 - LD 50** 1860 mg/kg (oral-mouse)**TOXICOLOGICAL INFORMATION**

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

INHALATION

May be irritating to mucous membranes and upper respiratory tract

INGESTION

Harmful if swallowed.

SKIN CONTACT

May cause skin irritation 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

UK ROAD CLASS	3		
PROPER SHIPPING NAME	FLAMMABLE LIQUID, N.O.S (2-METHYLTETRAHYDROFURAN-3-ONE)		
UN NO. ROAD	1993	UK ROAD PACK GR.	III
ADR CLASS NO.	3	ADR CLASS	Class 3: Flammable liquids.
ADR PACK GROUP	III	HAZARD NO. (ADR)	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.
UN NO. SEA	1993	IMDG CLASS	3
IMDG PACK GR.	III	UN NO. AIR	1993
AIR CLASS	3	AIR PACK GR.	III

15 REGULATORY INFORMATION**CONTAINS** 2-METHYLTETRAHYDROFURAN-3-ONE

2-METHYLTETRAHYDROFURAN-3-ONE**RISK PHRASES**

R10 Flammable.

SAFETY PHRASES

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.

REVISION COMMENTS

Revision due to amendment of contents in section: 1, 3, 14, 15, 16.

REVISION DATE 02-10**REV. NO./REPL. SDS** 000**GENERATED****SDS NO.** 11181**DATE** 05-09**RISK PHRASES IN FULL**

R10 Flammable.