

SAFETY DATA SHEET

2,3-PENTANEDIONE

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

PRODUCT NAME 2, 3-PENTANEDIONE

PRODUCT NO. 2, 3PD

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 Highly flammable.

CLASSIFICATION F;R11.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name 2,3-PENTANEDIONE

EC No. 209-984-8

CAS-No. 600-14-6

Content 60-100%

Classification F;R11.

RISK PHRASES R11

EC No. 209-984-8

CAS-No. 600-14-6

4 FIRST-AID MEASURES

INHALATION Move the exposed person to fresh air at once. Consult a physician for specific advice.

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 irritation persists after washing.

EYE CONTACT Immediately flush with plenty of water or eyewash solution for up to 10 minutes. Contact physician if irritation persists.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA Extinguish with foam, carbon dioxide or dry powder.

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. Ventilate area and wash spill site after material pickup is complete. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. For waste disposal, see section 13.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS Observe good industrial hygiene practices. Keep away from heat, sparks and open flame.

STORAGE PRECAUTIONS Store in tightly closed original container in a dry, cool and well-ventilated place. Protect from light, including direct sunrays. Protect from air.

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 protective gloves.

EYE PROTECTION Wear approved safety goggles.

OTHER PROTECTION Provide eyewash station and safety shower.

HYGIENE MEASURES Wash promptly if skin becomes wet or contaminated.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE Mobile Clear liquid

COLOUR Yellow

ODOUR Butter, Cheese, Pungent

2,3-PENTANEDIONE

BOILING POINT (°C) 110-112
 MELTING POINT (°C) -52
 FLASH POINT (°C) 18 Not noted.

10 STABILITY AND REACTIVITY

STABILITY Stable under normal temperature conditions and recommended use.
 MATERIALS TO AVOID Strong acids. Strong oxidising substances. Strong alkalis.
 HAZARDOUS Carbon monoxide (CO). Unidentified
 DECOMPOSITION organic compounds may be formed during
 PRODUCTS combustion

11 TOXICOLOGICAL INFORMATION

TOXIC DOSE 1 - LD 50 3000 mg/kg (oral rat)

TOXIC DOSE 2 - LD 50 >2500 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.

INGESTION May be harmful if swallowed.

SKIN CONTACT May cause skin irritation

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

GENERAL LQ NUMBER: 4
 EXCEPTED QUANTITY: E2

TRANSPORT LABELS



UK ROAD CLASS 3
 PROPER SHIPPING NAME KETONES, LIQUID, N.O.S., (2, 3-PENTANEDIONE)
 UN NO. ROAD 1224
 UK ROAD PACK GR. II
 ADR CLASS NO. 3
 ADR CLASS Class 3: Flammable liquids.
 ADR PACK GROUP II
 TUNNEL RESTRICTION CODE (D/E)
 HAZARD NO. (ADR) 33 Highly flammable liquid (flash-point below 23°C).
 UN NO. SEA 1224
 IMDG CLASS 3
 IMDG PACK GR. II
 UN NO. AIR 1224

AIR CLASS 3
 AIR PACK GR. II

15 REGULATORY INFORMATION



Highly

Flammable

RISK PHRASES

R11 Highly flammable.

SAFETY PHRASES

S9 Keep container in a well-ventilated place.

S16 Keep away from sources of ignition - No smoking.

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 This is first issue.

REVISION DATE 05-09

REV. NO./REPL. SDS 000

GENERATED

SDS NO. 11164

DATE 05-09

RISK PHRASES IN FULL Highly flammable.

