

SAFETY DATA SHEET

L-METHIONINE

Page 1

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Revision No: 1

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

Product name: L-METHIONINE

CAS number: 63-68-3

EINECS number: 200-562-9

Product code: M-10661

Use of substance / preparation: As a general purpose laboratory reagent

Company name: Park Scientific Ltd

24 Low Farm Place

Moulton Place

Northampton

NN3 6HY

Tel: 01604 646945

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2. HAZARDS IDENTIFICATION

Main hazards: Not classified as dangerous according to EC Directives.

Other hazards: Not classified as dangerous according to EC directives

3. COMPOSITION / INFORMATION ON INGREDIENTS

Contains: organic solid

4. FIRST AID MEASURES (SYMPTOMS)

Skin contact: Hazardous properties cannot be excluded but unlikely when handled appropriately

Eye contact: There may be irritation and redness.

Ingestion: Hazardous properties cannot be excluded but unlikely when handled appropriately

Inhalation: Hazardous properties cannot be excluded but unlikely when handled appropriately

4. FIRST AID MEASURES (ACTION)

Skin contact: Wash immediately with plenty of soap and water.

Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.

Ingestion: Wash out mouth with water. Consult a doctor.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Water spray. Dry Powder. Foam.

Exposure hazards: Combustible In combustion emits toxic fumes of sulphur oxides. In combustion emits toxic fumes of nitrogen oxides.

Protection of fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

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SAFETY DATA SHEET

L-METHIONINE

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Do not attempt to take action without suitable protective clothing - see section 8 of SDS.

Environmental precautions: Do not discharge into drains or rivers.

Clean-up procedures: Mix with sand or vermiculite. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Wash the spillage site with large amounts of water.

7. HANDLING AND STORAGE

Handling requirements: Ensure there is sufficient ventilation of the area. Avoid the formation or spread of dust in the air. Avoid direct contact with the substance. Contaminated clothing should be removed and washed before re-use. Wash hands after working with substance.

Storage conditions: Store in cool, well ventilated area. Keep container tightly closed. Keep away from direct sunlight. Avoid contact with water or humidity.

Suitable packaging: Must only be kept in original packaging.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**Workplace exposure limits**

WEL (8 hr TWA): None assigned

Engineering measures: Ensure there is sufficient ventilation of the area. Use only in a chemical fume hood.

Respiratory protection: Respiratory protective device with particle filter.

Hand protection: Protective gloves.

Eye protection: Safety goggles.

Skin protection: Protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

State: fine crystals

Colour: White

Odour: Odourless

Evaporation rate: Negligible

Oxidising: Non-oxidising (by EC criteria)

Solubility in water: Soluble

Viscosity: Non-viscous

Boiling point/range°C: Not applicable

Melting point/range°C: 280°C(decomp)

Flammability limits %: lower: No data

Flash point°C: Not applicable

pH: 5-7(10g/l,20°C)

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

SAFETY DATA SHEET

L-METHIONINE

Conditions to avoid: Direct sunlight. Moist air.

Materials to avoid: Strong oxidising agents. The possibility of reaction with other substances cannot be excluded

Haz. decomp. products: No data

11. TOXICOLOGICAL INFORMATION

Chronic toxicity: Further hazardous properties cannot be excluded. The product should be handled with care usual when dealing with chemicals We have no evidence of carcinogenic effects.

Routes of exposure: Refer to section 4 of SDS for routes of exposure and corresponding symptoms.

12. ECOLOGICAL INFORMATION

Mobility: Non-volatile.

Persistence and degradability: No data available.

Bioaccumulative potential: No data available.

Other adverse effects: No enviromental hazard is anticipated provided that the material is handeled and disposed of with due care and attention

13. DISPOSAL CONSIDERATIONS

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

Disposal of packaging: Arrange for collection by specialised disposal company.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14. TRANSPORT INFORMATION**ADR / RID****IMDG / IMO****IATA / ICAO****15. REGULATORY INFORMATION**

Risk phrases: Not classified as dangerous according to EC Directives.

Safety phrases: None specified, use good practice with chemicals.

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

16. OTHER INFORMATION

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

