OXFORD LAB FINE CHEM LLP

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Oxford
Range of
Laboratory Chemicals

MATERIAL SAFETY DATA SHEET

N-ACETYL-L-METHIONINE 99%
(For Biochemistry)
MSDS CAS : 65-82-7

Section 1: Chemical Product and Company Identification

Section 1: Chemical Product
Product Name : N-ACETYL-L-METHIONINE 99%
CAS#: 65-82-7
C.I. No.: Not available.
Synonym : Not available.
Chemical Name : Not available.
Chemical Formula: $C_7H_{13}NO_3S$
Molecular Weight: 191.25

Brand: OXFORD

Details Of The Supplier Of The Safety Data Sheet:

Company identification: **OXFORD LAB FINE CHEM LLP**
Unit. No. 12, 1st Floor, Neminath Industrial Estate No. 6,
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Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
N-ACETYL-L-METHIONINE 99%	65-82-7	100

Section 3: Hazards Identification

Classification of the substance or mixture: Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

Label elements: Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008

Other hazards: This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Section 4: First Aid Measures

First aid measures:
Description of first aid measures:

If inhaled: If breathed in, move person into fresh air. If not breathing, give artificial respiration.

In case of skin contact: Wash off with soap and plenty of water.

In case of eye contact : Flush eyes with water as a precaution.

If swallowed: Never give anything by mouth to an unconscious person. Rinse mouth with water.

Most important symptoms and effects, both acute and delayed: The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

Indication of any immediate medical attention and special treatment needed: No data available.

Section 5: Fire and Explosion Data

Extinguishing media:
Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Section 5: Fire and Explosion Data (Continued)

Special hazards arising from the substance or mixture: Carbon oxides, Nitrogen oxides (NOx)

Advice for firefighters :Wear self-contained breathing apparatus for firefighting if necessary.

Further information: No data available

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: Avoid dust formation. Avoid breathing vapours, mist or gas. For personal protection see section 8.

Environmental precautions: No special environmental precautions required.

Methods and materials for containment and cleaning up: Sweep up and shovel. Keep in suitable, closed containers for disposal.

Reference to other sections: For disposal see section 13.

Section 7: Handling and Storage

Precautions for safe handling: Provide appropriate exhaust ventilation at places where dust is formed.For precautions see section 2.2.

Conditions for safe storage, including any incompatibilities: Store in cool place.Keep container tightly closed in a dry and well-ventilated place.Storage class (TRGS 510):13 Non Combustible Solids.

Specific end use(s): Apart from the uses mentioned in section 1.2 no other specific uses are stipulate.

Section 8: Exposure Controls/Personal Protection

Exposure controls: Appropriate engineering controls: General industrial hygiene practice.

Personal protective equipment:

Eye/face protection: Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Body Protection: Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection: Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure: No special environmental precautions required.

Section 9: Physical and Chemical Properties

Physical state and appearance	**: White crystalline powder.**
Odour	**: Not available.**
Taste	**: Not available.**
Color	**: White.**
pH (1% soln/water)	**: Not available.**
Melting Point	**: 103-106 °C lit.**
Initial boiling point and boiling range	**: Not available.**
Flash point	**: Not available.**
Evaporation rate	**: Not available.**
Flammability (solid, gas)	**: Not available.**
Upper/lower flammability or explosive limits	**: Not available.**

Section 9: Physical and Chemical Properties (Continued)

Vapour pressure	**: Not available.**
Vapour density	**: Not available.**
Relative density	**: Not available.**
Water solubility	**: Not available.**

Section 10: Stability and Reactivity Data

Reactivity: **No data available**

Chemical stability: **Stable under recommended storage conditions.**

Possibility of hazardous reactions: **No data available**

Conditions to avoid: **No data available**

Incompatible materials: **Strong Oxidizing agents.**

Hazardous decomposition products: **Hazardous decomposition products formed under fire conditions.- Carbon oxides, Nitrogen oxides (NOx)**

Other decomposition products: **No data available.**

Section 11: Toxicological Information

Information on toxicological effects: **LD50 Intraperitoneal-Mouse-6.700 mg/kg**

Skin corrosion/irritation: **No data available .**

Serious eye damage/eye irritation: **No data available .**

Section 11: Toxicological Information (Continued)

Respiratory or skin sensitisation: No data available.

Germ cell mutagenicity: No data available

Carcinogenicity: IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity: No data available

Specific target organ toxicity -single exposure: No data available

Specific target organ toxicity -repeated exposure: No data available

Aspiration hazard: No data available

Section 12: Ecological Information

Toxicity: No data available

Persistence and degradability: No data available

Bioaccumulative potential: No data available

Mobility in soil: No data available

Results of PBT and vPvB assessment: This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Section 13: Disposal Considerations

Waste treatment methods:

Product: Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging : Dispose of as unused product.

Section 14: Transport Information

Land transport (ADR-RID)

General information : **Not regulated.**

Sea transport (IMDG) [English only]

General information : **Not regulated.**

Air transport (ICAO-IATA) [English only]

General information : **Not regulated.**

Section 15: Other Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture:
This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Chemical safety assessment: **For this product a chemical safety assessment was not carried out**

Section 16 - Additional Information

References: Not available.

Other Special Considerations: Not available.

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