OXFORD LAB FINE CHEM LLP
ISO 9001-2008 Certified Company

Regd Office: Unit no 12, 1st Floor,
Neminath Industrial Estate No.6,
Navghar, Vasai (East), Palghar - 410210.
Maharashtra, INDIA.

Tel: +91 250 2390032 / 2390989 / 2390990
Email: sales@oxfordlabchem.com /
info@oxfordlabchem.com
Web: www.oxfordlabchem.com

Oxford
Range of
Laboratory Chemicals

MATERIAL SAFETY DATA SHEET

N-ACETYL-L-CARNITINE HCl

(For Biochemistry)

MSDS CAS: 5080-50-2

Section 1: Chemical Product and Company Identification

Section 1: Chemical Product

Product Name: O-Acetyl-L-carnitine hydrochloride

CAS#: 5080-50-2

Synonym: Not Available

Chemical Name: R(−)-2-Acetyloxy-3-carboxy-N,N,N-trimethyl-1-propanaminium chloride
ALCAR ALC (R)-3-Acetoxy-4-(trimethylammonio)butyratehydrochloride.

Chemical Formula: $C_9H_{17}NO_4 \cdot HCl$

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,
Navghar, Vasai (East). Palghar - 401 210.
Mumbai, Maharashtra, INDIA.
Tel: 91-250-2390989
Tel/Fax: 91-250-2390032

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
N-ACETYL-L-CARNITINE HCl	5080-50-2	100%

Section 3: Hazards Identification

Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]

Classification according to EU Directives 67/548/EEC or 1999/45/EC

Irritating to eyes, respiratory system and skin.

Label elements

Labelling according Regulation (EC) No 1272/2008 [CLP]

Signal word Warning

Hazard statement(s)

H315 : **Causes skin irritation.**
H319 : **Causes serious eye irritation.**
H335 : **May cause respiratory irritation.**

Precautionary statement(s)

P261 : **Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.**
P305 + P351 + P338 : **IF IN EYES: Rinse cautiously with water for several minutes. Remove Contact lenses, if present and easy to do. Continue rinsing.**

Supplemental Hazard Statements: none

Safety data sheet available on request.

According to European Directive 67/548/EEC as amended

R-phrase(s)

R36/37/38 : **Irritating to eyes, respiratory system and skin.**

S-phrase(s)

S26 : **In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.**
S36 : **Wear suitable protective clothing.**
Other hazards : **none**

Section 4: First Aid Measures

Description of first aid measures

General advice: Consult a physician. Show this safety data sheet to the doctor in attendance.

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Section 4: First Aid Measures (Continued)

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

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

In case of eye contact : Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

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

Most important symptoms and effects, both acute and delayed : To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

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.

Special hazards arising from the substance or mixture : Carbon oxides, nitrogen oxides (NOx), Hydrogen chloride gas

Advice for firefighters : Wear self contained breathing apparatus for fire fighting if necessary.

Further information : no data available.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures
Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

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Section 6: Accidental Release Measures (Continued)

Environmental precautions: Do not let product enter drains.

Methods and materials for containment and cleaning up :

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed Containers for disposal.

Section 7: Handling and Storage

Precautions for safe handling : Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.

Conditions for safe storage, including any incompatibilities : Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Recommended storage temperature: 2 - 8 °C Hygroscopic

Specific end use(s) : no data available

Section 8: Exposure Controls/Personal Protection

Control parameters

Components with workplace control parameters

Exposure controls

Appropriate engineering controls
Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection
Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

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Section 8: Exposure Controls/Personal Protection (Continued)

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
Impervious clothing, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection
For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges.
Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Section 9: Physical and Chemical Properties

Appearance	**: Form: Powder**
Colour	**: White**
Odour Threshold	**: no data available**
pH	**: no data available**
Melting point/ freezing point	**: Melting point/range: 194 °C**
Initial boiling point and boiling range	**: no data available**
Flash point	**: no data available**
Evaporation rate	**: no data available**
Flammability (solid, gas)	**: no data available**
Upper/lower flammability or explosive limits	**: no data available**
Vapour pressure	**: no data available**
Vapour density	**: no data available**
Relative density	**: no data available**
Water solubility	**: no data available**
Partition Coefficient: n-Octanol/Water	**: no data available**

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Section 9: Physical and Chemical Properties (Continued)

Auto-ignition temperature : no data available
Decomposition temperature : no data available
Viscosity : no data available
Explosive properties : no data available
Oxidizing properties : no data available

Section 10: Stability and Reactivity Data

Reactivity : no data available
Chemical stability : no data available
Possibility of hazardous: no data available
Conditions to avoid : Avoid moisture.
Incompatible materials: Strong oxidizing agents.
Hazardous decomposition products: Other decomposition products - no data available.

Section 11: Toxicological Information

Information on toxicological effects
Acute toxicity: no data available
Skin corrosion/irritation: no data available
Serious eye damage/eye irritation: no data available
Respiratory or skin sensitization: no data available
Germ cell mutagenicity: no data available

Carcinogenicity:

IARC: No component of this product presents 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: Inhalation - May cause respiratory irritation.
Specific target organ toxicity - repeated exposure: no data available
Aspiration hazard: no data available

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Section 11: Toxicological Information (Continued)

Potential health effects :

Inhalation : **May be harmful if inhaled. Causes respiratory tract irritation.**
Ingestion : **May be harmful if swallowed.**
Skin : **May be harmful if absorbed through skin. Causes skin irritation.**
Eyes : **Causes serious eye irritation.**

Signs and Symptoms of Exposure: To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

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 : no data available
Other adverse effects : no data available

Section 13: Disposal Considerations

Waste treatment methods
Product
Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material With a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging
Dispose of as unused product.

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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

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Safety, health and environmental regulations/legislation specific for the substance or mixture
no data available

Chemical Safety Assessment : no data available

Section 16 - Additional Information

References: Not available.

Other Special Considerations: Not available.

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