

MATERIAL SAFETY DATA SHEET

ATROPINE SULPHATE

(Monohydrate AR)

MSDS CAS: 5908-99-6

Section 1: Chemical Product and Company Identification

Section 1: Chemical Product

Product Name: Atropine Sulphate Monohydrate AR

CAS#: 5908-99-6

C.I. No.: Not available.

Synonym: Tropine tropate á-(Hydroxymethyl)benzeneacetic acid 8-methyl-8-azabicyclo[3.2.1]oct-3-yl ester
Atropini sulfas

Chemical Name: Not available.

Chemical Formula: C₁₄H₁₈N₂O₁₀SH₂O

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
Atropine Sulphate	5908-99-6	100

Toxicological Data on Ingredients: Not applicable.

Section 3: Hazards Identification

Classification according to EU Directives 67/548/EEC or 1999/45/EC
Very toxic by inhalation and if swallowed.

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.

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.

Take victim immediately to hospital. Consult a physician.

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. Consult a physician.

Most important symptoms and effects, both acute and delayed

Central nervous system depression

Indication of 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 (NO_x), Sulphur oxides

Precautions for fire-fighters

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

Wear respiratory protection. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

Environmental precautions

Prevent further leakage or spillage if safe to do so. 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.

Reference to other sections

For disposal see section 13.

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. Normal measures for preventive fire protection.

Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.
hygroscopic Light sensitive. Store under inert gas.

Section 8: Exposure Controls/Personal Protection

Control parameters

Components with workplace control parameters

Exposure controls

Appropriate engineering controls

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

Personal protective equipment

Eye/face protection

Face shield and safety glasses 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

Section 8: Exposure Controls/Personal Protection(Continued)

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

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Section 9: Physical and Chemical Properties

Information on basic physical and chemical properties

a) **Appearance Form:** Solid (powder)

Colour: white

b) **Odour :** no data available

c) **Odour Threshold:** no data available

d) **pH :** no data available

e) **Melting/freezing point Melting point/range:** 189 - 192 °C - lit.

f) **Initial boiling point and boiling range :** no data available

g) **Flash point :** no data available

h) **Evaporation rate :** no data available

i) **Flammability (solid, gas) :** no data available

j) **Upper/lower flammability or explosive limits :** no data available

k) **Vapour pressure :** no data available

l) **Vapour density :** no data available

m) **Relative density :** no data available

n) **Water solubility :** 2.500 g/l at 4 °C

o) **Partition coefficient :** noctanol/ water no data available

p) **Autoignition temperature :** no data available

q) **Decomposition temperature :** no data available

r) **Viscosity :** no data available

Section 9: Physical and Chemical Properties (Continued)

s) Explosive properties : no data available

t) Oxidizing properties : no data available

Other safety information

Solubility in other solvents

Ethanol 200 g/l at 4 °C

Section 10: Stability and Reactivity Data

Reactivity : no data available

Chemical stability : no data available

Possibility of hazardous reactions : no data available

Conditions to avoid : Light.

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 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

Section 11: Toxicological Information (Continued)

no data available

Specific target organ toxicity - repeated exposure

no data available

Aspiration hazard

no data available

Potential health effects

Inhalation May be fatal if inhaled. May cause respiratory tract irritation.

Ingestion May be fatal if swallowed.

Skin May be harmful if absorbed through skin. May cause skin irritation.

Eyes May cause eye irritation.

Signs and Symptoms of Exposure

Central nervous system depression

Additional Information

RTECS: Not 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

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. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Section 14: Transport Information

Land transport (ADR-RID)

Proper shipping name	: ALKALOIDS, SOLID, N.O.S. or ALKALOID SALTS, SOLID, N.O.S
UN N°	: 1544
H.I. nr	: 60
ADR – Class	: 6.1
Labelling – Transport	: 6.1 : Toxic substances.
ADR – Group	: II

Sea transport (IMDG) [English only]

Proper shipping name	: ALKALOIDS, SOLID, N.O.S. or ALKALOID SALTS, SOLID, N.O.S.
UN N°	: 1544
IMO-IMDG - Class or division	: 6.1 : Toxic substances.
IMO-IMDG - Packing group	: II

Air transport (ICAO-IATA) [English only]

Proper shipping name	: ALKALOIDS, SOLID, N.O.S. or ALKALOID SALTS, SOLID, N.O.S.
UN N°	: 1544
IATA - Class or division	: 6.1 : Toxic substances.
IATA - Packing group	: II

Section 15: Other Regulatory Information

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

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

Section 16 - Additional Information

References: Not available.

Other Special Considerations: Not available.

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