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Oxford
Range of
Laboratory Chemicals

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: $C_{14}H_{48}N_2O_{10}SH_2O$

Brand: OXFORD

Details Of The Supplier Of The Safety Data Sheet:

Company identification: **OXFORD LAB FINE CHEM LLP**
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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 or1999/45/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 (NOx), 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: 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.

Section 16 - Additional Information

References: Not available.

Other Special Considerations: Not available.

Disclaimer:

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