



SAFETY DATA SHEET

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

Catalogue No : A 73601

Product Name : Atropine sulphate

Manufacture / Supplier Identification Company : **Nice Chemicals (P) Ltd.**,
PB No: 2217, Manimala Road, Edappally,
Kochi - 682 024, Kerala, India.

Contact for Information : **Tel:** 91-484-2800212, 2802755, 2802536, 2801583
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2 COMPOSITION / INFORMATION ON INGREDIENTS

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

CAS - No : 55 - 48 - 1

Molar Mass :

Molecular Weight : 694.83 g/mol

Molecular Formula : C₃₄H₄₆N₂O₆ · H₂O₄S · H₂O

EC - INDEX No : 614-011-00-9

EC - No : 200-235-0

3 HAZARDS IDENTIFICATION

Classification of the substance or mixture



Classification according to Regulation (EC) No 1272/2008 : Acute toxicity, Inhalation (Category 2)
Acute toxicity, Oral (Category 2)

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

Label Elements

Labelling according Regulation (EC) No 1272/2008

Catalogue No	:	A 73601
Product Name	:	Atropine sulphate

Pictogram	:	
Signal word	:	Danger
Hazard statement(s)		
H300	:	Fatal if swallowed.
H330	:	Fatal if inhaled.
Precautionary statement(s)		
P260	:	Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
P264	:	Wash hands thoroughly after handling.
P284	:	Wear respiratory protection.
P301 + P310	:	IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician
P310	:	Immediately call a POISON CENTER or doctor/ physician.
Supplemental Hazard	:	none
According to European Directive 67/548/EEC as amended.		
Hazard symbol(s)	:	
R-phrase(s) R26/28	:	Very toxic by inhalation and if swallowed.
S-phrase(s)	:	
S25	:	Avoid contact with eyes.
S45	:	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)
Other Hazards	:	none

4 FIRST AID MEASURES

General Advice	:	Consult a physician. Show this safety data sheet to the doctor in attendance.
After Inhalation	:	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

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

After eye contact : Flush eyes with water as a precaution.

After swallowing : 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 any immediate medical attention and special treatment needed : no data available

5 FIRE - FIGHTING MEASURES

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

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

Further Information : Use water spray to cool unopened containers

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-protection : 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.

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.

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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.
Specific end users	: No data available

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameter	: 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	: 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 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).
Control of environmental exposure	: No data available

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9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance **Form** : Powder
Colour : White

Odour : No data available

Odour Threshold : No data available

pH : No data available

Melting Point/Freezing point : Melting point/range: 189 - 192 °C - lit.

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 : 2.500 g/l at 4 °C

Partition coefficient: noctanol/water : No data available

Autoignition temperature : No data available

Viscosity : No data available

Explosive properties : No data available

Oxidizing properties : No data available

Other Safety information

Solubility in other solvent : Ethanol 200 g/l at 4 °C

10 STABILITY AND REACTIVITY

Reactivity : No data available

Chemical stability : No data available

Conditions to be avoided : Light

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Substance to be avoided : No data available

Hazardous decomposition products : Other decomposition products - no data available

Possibility of hazardous reactions : No data available

Incompatible materials : Strong oxidizing agents

11 TOXICOLOGICAL INFORMATION

Acute Toxicity : No data available

Further toxicological Information

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.

Eye Irritation test (rabbit) : No data available

Respiratory or skin Sensitization : No data available

Germ cell mutagenicity : No data available

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

After Skin contact : May be harmful if absorbed through skin. May cause skin irritation.

After swallowing : No data available

After swallowing of large amounts : No data available

Further data : No data available

Reproductive toxicity : No data available

Specific target organ toxicity-single exposure : No data available

Specific target organ toxicity-repeated exposure : No data available

Signs and symptoms of Exposure : No data available

Additional Information : RTECS: Not available

12 ECOLOGICAL INFORMATION

Toxicity : No data available

Persistence and degradability : No data available

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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

13 DISPOSAL METHOD

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.

14 TRANSPORT INFORMATION

UN number : ADR/RID: - 1544
IMDG: - 1544
IATA: - 1544

UN Proper shipping name : ADR/RID: ALKALOID SALTS, SOLID, N.O.S.
(Atropine sulphate monohydrate)
IMDG: ALKALOID SALTS, SOLID, N.O.S.
(Atropine sulphate monohydrate)
IATA: Alkaloid salts, solid, n.o.s. (Atropine sulphate monohydrate)

Transport hazard class(es) : ADR/RID: - 6.1
IMDG: - 6.1
IATA: - 6.1

Packaging group : ADR/RID: - II
IMDG: - II
IATA: - II

Environmental group : ADR/RID: - no
pollutant: no
IMDGMarine
IATA: -no

Special precaution for user : No data available

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15 REGULATORY INFORMATION

This safety datasheet compiles 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

16 OTHER INFORMATION

The information contained here in is based on the present state of our knowledge. It characterises the product with regard to the appropriate safety precaution. It does not represent a guarantee of the properties of the product.