

1. IDENTIFICATION OF THE SUBSTANCE/PREPURATION AND OF THE COMPANY/UNDERTAKING

ProductName : (-)-Scopolamine hydrochloride

2. HAZARDS IDENTIFICATION

Risk advice to man and the environment

Very toxic by inhalation, in contact with skin and if swallowed.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms : Hyoscinehydrochloride
Scopine tropate

Formula : C17H21NO4 · HCl

CAS-No.	EC-No.	Classification	Concentration
55-16-3	200-225-6	-	T+, R26/27/28 <= 100 %

Ethanol	200-578-6	-	F, R11	5%
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For the full text of the R-phrases mentioned in this Section, see Section 16.

4. 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

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.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special protective equipment for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Wear respiratory protection. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation. Evacuate personnel to safe areas.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Methods for cleaning up

Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

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.

Storage

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal protective equipment

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N99 (US) or type P2 (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).

Hand protection

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Handle with gloves.

Eye protection

Face shield and safety glasses

Skin and body protection

Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures

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

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form powder

Colour white

Safety data

pH no data available

Melting point no data available

Boiling point no data available

Flash point 77 °C - closed cup

Ignition temperature no data available

Lower explosion limit no data available

Upper explosion limit no data available

Water solubility no data available

10. STABILITY AND REACTIVITY

Storage stability

Stable under recommended storage conditions.

Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Carbon oxides

11. TOXICOLOGICAL INFORMATION

Acute toxicity

no data available

Irritation and corrosion

no data available

Sensitisation

no data available

Chronic exposure

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.

Potential Health Effects

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

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

Eyes May cause eye irritation.

Ingestion May be fatal if swallowed.

Target Organs Nerves., Liver, Heart,

Additional Information

RTECS: CY1634501

12. ECOLOGICAL INFORMATION

Elimination information (persistence and degradability)

no data available

no data available

Ecotoxicity effects

no data available

Further information on ecology

no data available

no data available

13. DISPOSAL CONSIDERATIONS

Product

Observe all federal, state, and local environmental regulations. 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.

Contaminated packaging

Dispose of as unused product.

14. TRANSPORT INFORMATION

ADR/RID

UN-Number: 1544 Class: 6.1 Proper shipping name: ALKALOID SALTS, SOLID, N.O.S. Packing group: III

IMDG-Number: 1544 Class: 6.1

Packing group: III

EMS-No: F-A, S-A

Proper shipping name: ALKALOID SALTS, SOLID, N.O.S.

Marine pollutant: No

IATA-Number: 1544 Class: 6.1

Packing group: III

Proper shipping name: Alkaloid salts, solid n.o.s.

15. REGULATORY INFORMATION

Labelling according to EC Directives

EC Label

Hazard symbols

T+ Very toxic

R-phrases

R26/27/28 Very toxic by inhalation, in contact with skin and if swallowed.

S-phrases

S28 After contact with skin, wash immediately with plenty of water.

S36 Wear suitable protective clothing and gloves.

S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Hazardous components which must be listed on the label:

55-16-3 (-)-Scopolamine hydrochloride

16. OTHER INFORMATION

Text of R-phrases mentioned in Section 3

R11 Highly flammable.

R26/27/28 Very toxic by inhalation, in contact with skin and if swallowed.

Further information

For R&D use only. Not for drug, household or other uses.

WARRANTY:

The above information is believed to be correct but does not purport to be all inclusive and shall not be used as a substitute for appropriate legal advice. It does not represent any guarantee of the properties of the product. Lookchem shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.

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