
SAFETY DATA SHEET

1 Identification of the substance or preparation and of the company/undertaking

Product Name: **Nicotine Bitartrate Dihydrate**
Datasheet Number: Nicotine Bitartrate Dihydrate 19022008 2. 0. 0
Use of the substance/preparation: Active ingredient used in antismoking therapy products such as lozenges, aerosols or disintegrable oral films.



Very Toxic Dangerous for the Environment

Name of Supplier: Nicobrand Ltd
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Responsible Person:
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Emergency Telephone: +44 (0) 1865 407 333

2 Hazards identification

- Contact with eyes: Causes irritation
- Contact with skin: Very toxic in contact with skin (R27), Causes burning sensation, Can be absorbed through skin, May cause allergic reaction in susceptible people
- Inhalation: Very toxic by inhalation (R26), Causes burning sensation, Causes headache, May cause allergic reaction in susceptible people, May cause cyanosis
- Ingestion: Very toxic if swallowed (R28), Causes burning sensation, May cause allergic reaction in susceptible people
- Can form methaemoglobin in the blood, causing cyanosis

3 Composition/information on ingredients

Chemical Name	Concentration	CAS Number	EC Number	R Phrases*	Symbols
Nicotine Bitartrate Dihydrate	100%	65-31-6		R26/27/28-51/53	T+, N

*See Section 16

4 First aid measures

Contact with skin

- Seek immediate medical attention
- Remove contaminated clothing immediately and drench affected skin with plenty of water

Contact with eyes

- Seek immediate medical attention
- If substance has got into eyes, immediately wash out with plenty of water for at least 15 minutes
- Irrigate eyes thoroughly whilst lifting eyelids

4 First aid measures (....)

Ingestion

- Seek immediate medical attention
- Rinse mouth with water (do not swallow)
- Never give anything by mouth to an unconscious person

Inhalation

- Seek immediate medical attention
- Remove patient to fresh air
- If breathing is difficult, oxygen should be given by a trained person
- Symptoms of poisoning from inhalation may not develop for several hours
- Keep warm and at rest

Notes to Physicians

- Early symptoms of overdose may include nausea, vomiting, increased salivation, watery eyes, abdominal pain, diarrhoea, cold sweat, headache, dizziness, disturbed hearing and vision, agitation, high blood pressure, confusion and weakness. Late symptoms of overdose include fainting, drop in blood pressure, difficult breathing, weak, rapid or irregular pulse, lethargy, convulsions and coma. Death may occur from paralysis of respiratory muscles. Treatment should be symptomatic and supportive, in particular the respiratory system and cardiovascular systems. Ventilation & inotropic support may be necessary in the short term until the nicotine is absorbed. Nicotine is usually metabolised 1-2 hours. Gastric lavage if ingestion <4 hours. If > 4 hours, use cathartic, e.g. Magnesium Sulphate. Diazepam to control convulsions.

5 Fire-fighting measures

- Substance evolves toxic fumes, wear self-contained breathing apparatus
 - In case of fire use water, foam, carbon dioxide or dry agent (S43)
 - Prevent run off water from entering drains if possible
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6 Accidental release measures

Personal Precautions

- Avoid raising dust

Environmental Precautions

- Do not allow to enter public sewers and watercourses
- If contamination of drainage systems or water courses is unavoidable, immediately inform appropriate authorities
- Use appropriate containment to avoid environmental contamination (S57)

Clean Up Actions

- Sweep or shovel-up spillage and remove to a safe place
 - Place in appropriate container for disposal
 - Ventilate the area and wash spill site after material pick-up is complete
-

7 Handling and storage

Handling

- Ensure adequate ventilation
 - When using do not eat, drink or smoke (S20/21)
 - Avoid contact with skin and eyes (S24/25)
 - Wash hands thoroughly after using this substance
 - Keep away from food, drink and animal feedingstuffs (S13)
 - Do not breathe dust (S22)
-

7 Handling and storage (....)

Storage

- Keep in a cool, dry, well ventilated place
 - Keep locked up and out of reach of children (S1/2)
 - Protect from heat
-

8 Exposure controls and personal protection

Exposure Limits

- There are no recommended or established controls for this product

Exposure controls

- Engineering controls should be provided which maintain airborne concentrations as low as practicable

Occupational exposure controls

- Wear goggles giving complete eye protection
 - Wear apron or other light protective clothing
 - Wear suitable respiratory protection
 - Wear neoprene or nitrile gloves
-

9 Physical and chemical properties

- Odour: No information available
 - Appearance: Solid, powder, white
 - Melting point 87 °C to 91 °C
 - Completely soluble in water
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10 Stability and reactivity

- Stable
 - Keep away from heat and moisture
 - Incompatible with acids and alkalis, Incompatible with oxidizing substances
 - Decomposition products may include nitrogen and carbon oxides
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11 Toxicological information

Toxicological information

- LD50 (oral,rat) 65 mg/kg
 - LD50 (oral, mouse) 65 mg/kg
 - LD50 (intraperitoneal, mouse) 9.1 mg/kg
 - Can be absorbed through skin
 - May disturb the central nervous system
 - May cause cyanosis
-

12 Ecological information

Ecotoxicity

- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment (R51/53)

Mobility

- No information available
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12 Ecological information (....)

Persistence and Biodegradability

- No information available

Bioaccumulation Potential

- No information available

13 Disposal considerations

Disposal considerations

- Disposal should be in accordance with local, state or national legislation
- Mix with a suitable solvent and incinerate at a licensed facility

14 Transport information



Toxic

Proper Shipping Name: Nicotine Tartrate

UN

Proper Shipping Name: Nicotine Tartrate UN No.: 1659

Hazard Class: 6.1 Packing Group: II

Road/Rail (ADR/RID)

Proper Shipping Name: Nicotine Tartrate ADR UN No.: 1659

ADR Hazard Class: 6.1 ADR Classification Code:

ADR Packing Group:

Sea (IMDG)

Proper Shipping Name: Nicotine Tartrate IMDG UN No.: 1659

IMDG Hazard Class.: 6.1 IMDG Pack Group.: II

IMDG EmS: F-A, S-A

Air (ICAO/IATA)

Proper Shipping Name: Nicotine Tartrate ICAO Un No.: 1659

ICAO Hazard Class.: 6.1 ICAO Packing Group.: II

15 Regulatory information

Classification and labelling

- This Safety Data Sheet does not constitute a workplace risk assessment

15 Regulatory information (....)



Very Toxic Dangerous for the Environment

Applicable Laws

- Refer to current COSHH Regulations
- Refer to current EC Directive 1907/2006 (REACH)
- Refer to current Health and Safety at Work Act
- Refer to current Management of Health and Safety Regulations

Risk Phrases

- Very toxic by inhalation, in contact with skin and if swallowed (R26/27/28)
- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment (R51/53)

Safety Phrases

- Keep locked up and out of reach of children (S1/2)
- Keep away from food, drink and animal feedingstuffs (S13)
- After contact with skin, wash immediately with plenty of water (S28)
- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible) (S45)
- Avoid release to the environment. Refer to special instructions/Safety data sheets (S61)

16 Other information

Text of R and S phrase codes used in this safety data sheet:- R26/27/28: Very toxic by inhalation, in contact with skin and if swallowed; R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

The data given here is based on current knowledge and experience. This Safety Data Sheet describes the product in terms of safety requirements and does not signify any warranty with regard to the product's properties