



MATERIAL SAFETY DATA SHEET

01. Identification of the substance / preparation and of the company / undertaking

Identification of the product

Product name : Donepezil Hydrochloride

Manufacturer / supplier identification:

Company : Nosch Labs Private limited
Flat No.404 to 406, 'Vijay Sai Towers',
Opp: BJP Office, Kukatpally,
Hyderabad – 500 072, INDIA

Regional representation : -- NO --

Emergency telephone No.: +91-40-23154400 (5 Lines)
Fax No.: +91-40-23154405/23154406

02. Composition / information on ingredients

Synonyms : E-2020 ; Aricept

CAS-No.: [120011-70-3]

Molar mass : 415.95 EINECS-No.: ---

Molecular formula : $C_{24}H_{29}NO_3HCL$

03. Hazards identification

This material is assumed to be combustible to ground mechanical equipment in contact with Dry material to dissipate the potent build up of static electricity. When heated to decomposition, this material is non-toxic, not-inflammable, not-harmful by inhalation.



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04. First aid measures

Remove from exposure. Remove contaminated clothing. Person developing serious hypersensitivity reactions must receive immediate medical attention. Upon eye or skin contact, flush affected area with copious quantities of water. Obtain medical attention.

Inhalation : Remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion : Give large amounts of water to drink. Never give anything by mouth to an unconscious person. Get medical attention.

Skin Contact : Immediately flush skin with plenty of soap and water for at least 15 minutes. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.

Eye Contact : Immediately flush eyes with plenty of water for at least 15 lifting upper and lower eyelids occasionally. Get medical attention.

05. Fire – fighting measures

Suitable extinguishing media : Water spray, dry chemical, alcohol foam, or carbon dioxide

Special risks : As with all fires, evacuate personnel to safe area. Fire fighterers should use self contained breathing equipment and protective clothing. In the event of a fire, wear protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

06. Accidental release measures

Ventilate area of leak or spill. Remove all sources of ignition. Wear appropriate personal protective equipment as specified in section 8. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Contain and recover liquid when possible. Use non-sparking tools and equipment.



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Collect liquid in an appropriate container or absorb with an inert material (e.g., vermiculite, dry sand, earth), and place in a chemical waste container. Do not use combustible materials, such as saw dust. Do not flush to sewer. If a leak or spill has not ignited, use water spray to disperse the vapors, to protect personnel attempting to stop leak, and to flush spills away from exposures.

07. Handling and storage

Protect against physical damage. Store in a cool, dry well-ventilated location, away from any area where the fire hazard may be acute. Outside or detached storage is preferred. Separate from incompatibles. Containers should be bonded and grounded for transfers to avoid static sparks. Storage and use areas should be no smoking areas. Use non-sparking type tools and equipment, including explosion proof ventilation. Containers of this material may be hazardous when empty since they retain product residues (vapors, liquid); observe all warnings and precautions listed for the product.

08. Exposure controls / personal protection

Airborne Exposure Limits : None established

Ventilation System: System of local and / or general exhaust is recommended to keep employee exposures as low as possible.. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, Industrial Ventilation, A Manual of Recommended Practices, most recent edition, for details.

Personal Respirators (NIOSH Approved) : For conditions of use where exposure to the substance is apparent, consult an industrial hygienist. For emergencies, or instances where the exposure levels are not known, use a full facepiece positive-pressure, air supplied respirator. WARNING Air purifying respirators do not protect workers in oxygen-deficient atmospheres.

Skin Protection : Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Eye Protection : Use chemical safety goggles and / or a full face shield where splashing is possible. Maintain eye wash fountain and quick drench facilities in work area.



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Other Control Measures : There is insufficient data in the published literature to assign complete numerical SAF-T-DATA ratings and laboratory protective equipment for this product. Special precautions must be used in storage, use and handling . Protective equipment for laboratory bench use should be chosen to be conducted and the available ventilation, with overriding Consideration to minimize contact with the chemical.

09. Physical and chemical properties

Form : Powder

Colour : White crystalline powder

Odour: Odourless

pH value : No information found.

Melting temperature : --- NA --

Boiling temperature : - - NA - -

Ignition temperature : -- NA --

Flash point : -- NA --

Explosion limits -- NA -- lower -- NA --
Under -- NA --

Density -- NA --

Solubility: Freely Soluble in chloroform, soluble in water and glacial acetic acid, slightly soluble in alcohol and acetonitrile practically insoluble in ethyl acetate and-n-hexance .

10. Stability and reactivity

Stability : Stable under ordinary conditions of use and storage.

Hazardous Decomposition Products : Oxides of carbon as well as ionic or oxidized halogen.

Hazardous Polymerization : Will not occur.

Incompatibilities : Strong oxidizers.

Conditions to Avoid : Heat, flames, ignition sources and incompatibles.



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11. Toxicological information

Oral Rat : LD50: 102.2 mg/kg

Oral Mise: LD50: 45.2 mg/kg

Other Toxicity Data: Not found

Irritancy Data: Not found

Corrosivity: Not found

Investigated as a mutagen.

Ingredient category	NTP Carcinogen		IARC
	Known	Anticipated	
Donepezil Hydrochloride	No	No	None

12. Ecological information

Environmental Fate : No information found

Environmental Toxicity : No information found

13. Disposal considerations

Product name : **Donepezil Hydrochloride**

Packaging : 5 / 10 / 25 / 50 kgs, Fiber drums or HDPE Drums

Dispose of in a manner consistent with federal, state and local regulations.



NOSCH LABS PVT.LTD.
HYDERABAD, INDIA

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Product name : Donepezil Hydrochloride

14. Transport information

Not regulated as per IATA

Shipping Name : TOXIC SOLID ORGANIC, n.o.s (Donepezil Hydrochloride)

Class : 6.1

UN Number : 2811

Packing Group : III

15. Regulatory information

Labelling according to EC Directives

Manufacturer name, gross weight, net weight, manufacturing date, manufacturer address.

Certificate of Analysis

16. Other information ---NO---

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, we assume no liability resulting from its use. User should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages.

The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precautions . It does not represent a guarantee of the properties of the product.