

MATERIAL SAFETY DATA SHEET
CITALOPRAM HYDROBROMIDE

Date: 26.08.2004
Supersedes: 17.05.2002

1. SUBSTANCE/PRODUCT AND COMPANY IDENTIFICATION

CITALOPRAM HYDROBROMIDE

Company: Fermion Oy

Address P.O. Box 28
FIN-02101 Espoo
Finland

Tel.Int. +358-10-4291
Telefax +358-9-452 1764

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature:

CITALOPRAM HYDROBROMIDE 100 %

Chemical name: 5-Isobenzofurancarbonitrile, 1-[3-(dimethylamino)propyl]-1-(4-fluorophenyl)-1,3-dihydro-, monohydrobromide

CAS: 59729-32-7

EINECS: -

Product usage: Drug substance. Antidepressant.

3. HAZARD IDENTIFICATION

Toxicology is low. The LD₅₀-values tested on rats and mice are high.

4. FIRST AID MEASURES

- 4.2 Inhalation: Remove to fresh air.
- 4.3 Skin contact: Wash with soap and plenty of water.
- 4.4 Eye contact: Flush with plenty of water for at least 15 minutes. Seek medical advice.
- 4.5 Ingestion: Seek medical advice.

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The usual extinguishing methods are suitable.

5.3 Special exposure hazards in a fire:

Toxic and highly corrosive fumes of nitrogen oxides, hydrogen bromide and hydrogen fluoride.

5.4 Special protective equipment for fire-fighters:

Self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions: Warn other people about the danger of exposure. Put on the personal safety devices.

6.3 Methods for cleaning up:

Collect the material into tight containers avoiding all exposure. Ventilate the area and clean the place.

7. HANDLING AND STORAGE7.1 Handling:

The material should be handled with care only by specially trained people avoiding all exposure and contamination.

7.2 Storage:

Store in airtight containers in a dry, cool and well-ventilated place protected from light.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION8.2 Exposure controls

8.2.1 Occupational exposure controls:

Use only in well-ventilated areas.

8.2.1.1 Respiratory protection:

Particle filtering device (ABEK2-P3) with full-face mask or compressed air line breathing apparatus.

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8.2.1.2 Hand protection: Safety gloves.

8.2.1.3 Eye protection: Face shield or goggles.

8.2.1.4 Skin protection: Protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES9.1 General information

White or slightly yellowish powder.

9.2 Important health, safety and environmental information

9.2.1 pH-value: -

9.2.2 Boiling point: -

9.2.3 Flash point: -

9.2.4 Flammability: -

9.2.5 Explosive properties

9.2.5.1 Lower explosion point:

-

9.2.5.2 Upper explosion point:

-

9.2.6 Oxidising properties: -

9.2.7 Vapour pressure: -

9.2.8 Relative density: -

9.2.9 Solubility

9.2.9.1 Water solubility: Soluble in boiling water.

9.2.9.2 Fat solubility (solvent-oil to be specified):

Soluble in methanol and dichloromethane. Insoluble in toluene.

9.2.10 Partition coefficient: n-octanol/water:

-

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- 9.2.11 Viscosity: -
- 9.2.12 Vapour density: -
- 9.2.13 Evaporation rate: -
- 9.3 Other information: Melting point: 184 – 190 °C

10. STABILITY AND REACTIVITY

Stabile in normal conditions.

11. TOXICOLOGICAL INFORMATION

11.1 Acute toxicity: LD₅₀: 179 mg/kg (mouse, intraperitoneal)

12. ECOLOGICAL INFORMATION

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13. DISPOSAL CONSIDERATIONS

The packaging and other material that has been contaminated by Citalopram hydrobromide should be handled as hazardous waste in accordance with local and state laws and instructions.

14. TRANSPORT INFORMATION

ADR/RID: Not restricted.

IMDG: Not restricted.

ICAO/IATA: Not restricted.

15. REGULATORY INFORMATION

- 15.1.4 S-phrase(s):
- S22 Do not breathe dust
 - S36/37 Wear suitable protective clothing and gloves.
 - S45 In case of accident or if you feel unwell seek medical advice immediately.
 - S51 Use only in well-ventilated areas.

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16. OTHER INFORMATION16.5 Sources of key data used:

Registry of Toxic Effects of Chemical Substances.

Pharmaca Fennica 1/2001

Martindale: The Extra Pharmacopoeia, 31st Edition.16.6 Information which has been added, deleted or revised:

The information above is based on available knowledge, literature and experience and cannot be considered as complete. For further information, please contact:

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