

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

| | |
|----------------|---------------------------|
| Product form | : Substance |
| Substance name | : Citalopram hydrobromide |
| Chemical name | : Citalopram hydrobromide |
| EC-No. | : 261-890-6 |
| CAS-No. | : 59729-32-7 |
| Product code | : 202200316 |

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses

| | |
|------------------------------|--|
| Use of the substance/mixture | : Scientific research and development Technical testing and analysis For professional use only |
| Function or use category | : Laboratory chemicals |

Uses advised against

| | |
|---------------------|----------------------------------|
| Restrictions on use | : Not for food, drug or home use |
|---------------------|----------------------------------|

1.3. Details of the supplier of the safety data sheet

European Directorate for the Quality of Medicines & Healthcare
EDQM, Council of Europe
7, Allée Kastner, CS30026
F 67081 Strasbourg
France
T +33(0)388412035, F +33(0)388412771
sds@edqm.eu, www.edqm.eu

1.4. Emergency telephone number

| | |
|------------------|-------------------|
| Emergency number | : +33(0)390215608 |
|------------------|-------------------|

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

| | |
|---|------|
| Acute toxicity (oral), Category 4 | H302 |
| Reproductive toxicity, Category 2 | H361 |
| Specific target organ toxicity – Single exposure, Category 3, Narcosis | H336 |
| Specific target organ toxicity – Repeated exposure, Category 1 | H372 |
| Hazardous to the aquatic environment – Chronic Hazard, Category 3 | H412 |

Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

Harmful if swallowed. Harmful to aquatic life with long lasting effects. Suspected of damaging fertility or the unborn child. May cause drowsiness or dizziness. Causes damage to organs through prolonged or repeated exposure.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



Citalopram hydrobromide

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according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| | | |
|--------------------------------|---|-------|
| | GHS07 | GHS08 |
| Signal word (CLP) | : Danger | |
| Hazard statements (CLP) | : H302 - Harmful if swallowed. H336 - May cause drowsiness or dizziness. H361 - Suspected of damaging fertility or the unborn child. H372 - Causes damage to organs (cardiovascular system) through prolonged or repeated exposure. H412 - Harmful to aquatic life with long lasting effects. | |
| Precautionary statements (CLP) | : P201 - Obtain special instructions before use. P202 - Do not handle until all safety precautions have been read and understood. P260 - Do not breathe dust/fume/gas/mist/vapours/spray. P264 - Wash hands, forearms and face thoroughly after handling. P270 - Do not eat, drink or smoke when using this product. P271 - Use only outdoors or in a well-ventilated area. P273 - Avoid release to the environment. P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection. P301+P312 - IF SWALLOWED: Call a POISON CENTRE or doctor if you feel unwell. P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P308+P313 - IF exposed or concerned: Get medical advice/attention. P312 - Call a POISON CENTRE or doctor if you feel unwell. P330 - Rinse mouth. P403+P233 - Store in a well-ventilated place. Keep container tightly closed. P405 - Store locked up. P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. | |

Labelling according to: Exemption for inner packaging where the contents do not exceed 10ml.

Hazard pictograms (CLP)



GHS08

2.3. Other hazards

Other information : Active substance (in pharmaceutical products) (Psychotropic substance).
Warning - substance not yet tested completely.

SECTION 3: Composition/information on ingredients

3.1. Substances

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|-------------------------|--|-------|---|
| Citalopram hydrobromide | CAS-No.: 59729-32-7 EC-No.: 261-890-6 | ≤ 100 | Acute Tox. 4 (Oral), H302 (ATE=1426 mg/kg bodyweight) Repr. 2, H361 STOT SE 3, H336 STOT RE 1, H372 Aquatic Chronic 3, H412 |

Full text of H- and EUH-statements: see section 16

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SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|---------------------------------------|---|
| First-aid measures general | : In all cases of doubt, or when symptoms persist, seek medical attention. |
| First-aid measures after inhalation | : Remove person to fresh air and keep comfortable for breathing. Allow the victim to rest. If the person feels unwell : Get medical advice/attention. |
| First-aid measures after skin contact | : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. |
| First-aid measures after eye contact | : Rinse with water while holding the eyes wide open. Obtain medical attention if pain, blinking or redness persists. |
| First-aid measures after ingestion | : Rinse mouth out with water (only if the person is conscious). Never give anything by mouth to an unconscious person. Immediately call a POISON CENTER/doctor. |

4.2. Most important symptoms and effects, both acute and delayed

No additional information available

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

| | |
|--------------------------------|---|
| Suitable extinguishing media | : Use extinguishing media appropriate for surrounding fire. Carbon dioxide. Water spray. Dry powder. Extinguishing blanket. |
| Unsuitable extinguishing media | : Do not use a heavy water stream. |

5.2. Special hazards arising from the substance or mixture

| | |
|--|--|
| Hazardous decomposition products in case of fire | : Incomplete combustion releases dangerous carbon monoxide, carbon dioxide and other toxic gases. Toxic fumes may be released. |
|--|--|

5.3. Advice for firefighters

| | |
|--------------------------------|--|
| Firefighting instructions | : Prevent fire fighting water from entering the environment. |
| Protection during firefighting | : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. |

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

| | |
|------------------------------------|---|
| General measures | : Avoid contact with skin, eyes and clothing. |
| For non-emergency personnel | |
| Emergency procedures | : Evacuate unnecessary personnel. |
| For emergency responders | |
| Protective equipment | : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". |

6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

| | |
|-------------------------|---|
| For containment | : Absorb with an inert material and place in an appropriate waste disposal container. |
| Methods for cleaning up | : Clean contaminated surfaces with an excess of water. Clean with the help of detergents. |

6.4. Reference to other sections

See Section 13 for disposal information.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

| | |
|-----------------------------------|--|
| Additional hazards when processed | : Do not expose pregnant or breastfeeding women. |
| Precautions for safe handling | : Avoid all unnecessary exposure. Ensure good ventilation of the work station. |
| Hygiene measures | : Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Wash hands before work breaks and after finishing work. |

7.2. Conditions for safe storage, including any incompatibilities

| | |
|---------------------|---|
| Storage conditions | : Store in a well-ventilated place. Keep container tightly closed. Keep away from heat and direct sunlight. |
| Packaging materials | : Keep in original containers. |

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station. Both local exhaust and general room ventilation are usually required. Material should be handled in a laboratory hood whenever possible.

Personal protection equipment

Eye and face protection

Eye protection:

Wear eye protection. Safety glasses with side shields. (EN 166)

Skin protection

Skin and body protection:

Wear suitable protective clothing. Laboratory use : Lab coat. (EN 13034)

Hand protection:

Wear suitable gloves. Chemically resistant protective gloves. (EN 374)

Respiratory protection

Respiratory protection:

In case of dust formation use respirator with filter: P3

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|-----------------------|------------------------|
| Physical state | : Solid |
| Colour | : white, almost white. |
| Appearance | : Crystalline powder. |
| Molecular mass | : 405,3 g/mol |
| Odour | : Not available |
| Odour threshold | : Not available |
| Melting point | : ≈ 182 °C |
| Freezing point | : Not available |
| Boiling point | : Not available |
| Flammability | : Not available |
| Lower explosion limit | : Not applicable |

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| | |
|---|------------------------|
| Upper explosion limit | : Not applicable |
| Flash point | : Not applicable |
| Auto-ignition temperature | : Not applicable |
| Decomposition temperature | : Not available |
| pH | : Not available |
| pH solution | : Not available |
| Viscosity, kinematic | : Not applicable |
| Solubility | : Water: 10 – 33,3 g/l |
| Partition coefficient n-octanol/water (Log Kow) | : Not available |
| Vapour pressure | : Not available |
| Vapour pressure at 50°C | : Not available |
| Density | : Not available |
| Relative density | : Not available |
| Relative vapour density at 20°C | : Not applicable |
| Particle size | : Not available |

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

No additional information available

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

No additional information available

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

No additional information available

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

| | |
|-----------------------------|---------------------------------|
| Acute toxicity (oral) | : Harmful if swallowed. |
| Acute toxicity (dermal) | : Not classified (Lack of data) |
| Acute toxicity (inhalation) | : Not classified (Lack of data) |

Citalopram hydrobromide (59729-32-7)

| | |
|---------------|------------|
| LD50 oral rat | 1426 mg/kg |
|---------------|------------|

| | |
|-----------------------------------|---|
| Skin corrosion/irritation | : Not classified (Lack of data) |
| Serious eye damage/irritation | : Not classified (Lack of data) |
| Respiratory or skin sensitisation | : Not classified (Lack of data) |
| Germ cell mutagenicity | : Not classified (Based on available data, the classification criteria are not met) |
| Carcinogenicity | : Not classified (Based on available data, the classification criteria are not met) |
| Reproductive toxicity | : Suspected of damaging fertility or the unborn child. |
| STOT-single exposure | : May cause drowsiness or dizziness. |

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| | |
|------------------------|---|
| STOT-repeated exposure | : Causes damage to organs (cardiovascular system) through prolonged or repeated exposure. |
| Aspiration hazard | : Not classified (Lack of data) |

11.2. Information on other hazards

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

| | |
|---|---|
| Hazardous to the aquatic environment, short-term (acute) | : Not classified (Based on available data, the classification criteria are not met) |
| Hazardous to the aquatic environment, long-term (chronic) | : Harmful to aquatic life with long lasting effects. |

Citalopram hydrobromide (59729-32-7)

| | |
|----------------------|--|
| EC50 - Crustacea [1] | 20 mg/l (48 Hours, Daphnia magna (Water flea)) |
|----------------------|--|

12.2. Persistence and degradability

Citalopram hydrobromide (59729-32-7)

| | |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
|-------------------------------|------------------------|

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

No additional information available

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA

| ADR | IMDG | IATA |
|--------------------------------------|----------------|----------------|
| 14.1. UN number or ID number | | |
| Not applicable | Not applicable | Not applicable |
| 14.2. UN proper shipping name | | |
| Not applicable | Not applicable | Not applicable |

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| ADR | IMDG | IATA |
|---|----------------|----------------|
| 14.3. Transport hazard class(es) | | |
| Not applicable | Not applicable | Not applicable |
| 14.4. Packing group | | |
| Not applicable | Not applicable | Not applicable |
| 14.5. Environmental hazards | | |
| Not applicable | Not applicable | Not applicable |
| No supplementary information available | | |

14.6. Special precautions for user

Overland transport

Not applicable

Transport by sea

Not applicable

Air transport

Not applicable

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU-Regulations

REACH Annex XVII (Restriction List)

Not listed on REACH Annex XVII

REACH Annex XIV (Authorisation List)

Not listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Not listed on the REACH Candidate List

Ozone Regulation (2024/590)

Not listed on the Ozone Depletion list (Regulation EU 2024/590)

Council Regulation (EC) for the control of dual-use items

Not listed on the COUNCIL REGULATION (EC) of dual-use items.

Explosives Precursors Regulation (EU 2019/1148)

Not listed on the Explosives Precursors list (EU)

Drug Precursors Regulation (EC 273/2004)

Not listed on the Drug Precursors list (EU)

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Indication of changes:

Classification of the substance or mixture.

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according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| Indication of changes | | |
|-----------------------|---|-----------------|
| Section | Changed item | Comments |
| 1.1 | EC-No. | Added |
| 1.1 | CAS-No. | Added |
| 1.2 | Restrictions on use | Modified |
| 1.2 | Use of the substance/mixture | Modified |
| 1.2 | Main use category | Removed |
| 2.1 | Adverse physicochemical, human health and environmental effects | Modified |
| 2.1 | Classification according to Regulation (EC) No. 1272/2008 [CLP] | Modified |
| 2.2 | Hazard statements (CLP) | Modified |
| 2.2 | Signal word (CLP) | Modified |
| 2.2 | Hazard pictograms (CLP) | Modified |
| 2.2 | Precautionary statements (CLP) | Modified |
| 2.3 | Other information | Added |
| 4.1 | First-aid measures after inhalation | Added |
| 4.1 | First-aid measures after ingestion | Added |
| 4.1 | First-aid measures general | Added |
| 4.1 | First-aid measures after skin contact | Modified |
| 4.1 | First-aid measures after eye contact | Modified |
| 5.1 | Unsuitable extinguishing media | Added |
| 5.1 | Suitable extinguishing media | Modified |
| 5.2 | Hazardous decomposition products in case of fire | Added |
| 5.2 | Fire hazard | Removed |
| 5.3 | Protection during firefighting | Added |
| 5.3 | Firefighting instructions | Modified |
| 6.1 | Protective equipment | Added |
| 6.1 | General measures | Added |
| 6.1 | Emergency procedures | Modified |
| 6.2 | Environmental precautions | Added |
| 6.3 | For containment | Added |
| 6.3 | Methods for cleaning up | Added |
| 6.4 | Reference to other sections (8, 13) | Added |
| 7.1 | Additional hazards when processed | Added |
| 7.1 | Hygiene measures | Added |
| 7.1 | Precautions for safe handling | Added |
| 7.2 | Storage conditions | Added |
| 7.2 | Packaging materials | Added |

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| Indication of changes | | |
|-----------------------|--|----------|
| Section | Changed item | Comments |
| 7.3 | Specific end uses | Removed |
| 8.2 | Eye protection | Added |
| 8.2 | Respiratory protection | Added |
| 8.2 | Hand protection | Modified |
| 8.2 | Appropriate engineering controls | Modified |
| 8.2 | Skin and body protection | Modified |
| 9 | Melting point | Added |
| 9 | Solubility in water | Added |
| 9 | Molecular mass | Added |
| 9 | Colour | Added |
| 9 | Appearance | Added |
| 10.1 | Reactivity | Removed |
| 10.3 | Possibility of hazardous reactions | Removed |
| 10.5 | Incompatible materials | Removed |
| 10.6 | Hazardous decomposition products | Removed |
| 11.1 | LD50 oral rat | Added |
| 11.1 | ATE CLP (oral) | Modified |
| 12.1 | Ecology - general | Removed |
| 12.1 | EC50 - Crustacea [1] | Added |
| 14 | ERG code (IATA) | Removed |
| 14 | Special provisions (IATA) | Removed |
| 14 | CAO max net quantity (IATA) | Removed |
| 14 | CAO packing instructions (IATA) | Removed |
| 14 | PCA max net quantity (IATA) | Removed |
| 14 | PCA packing instructions (IATA) | Removed |
| 14 | PCA limited quantity max net quantity (IATA) | Removed |
| 14 | PCA Limited quantities (IATA) | Removed |
| 14 | PCA Excepted quantities (IATA) | Removed |
| 14 | Danger labels (IATA) | Removed |
| 14 | Proper Shipping Name (IATA) | Removed |
| 14 | Proper Shipping Name (IMDG) | Removed |
| 14 | Danger labels (IMDG) | Removed |
| 14 | EmS-No. (Spillage) | Removed |
| 14 | EmS-No. (Fire) | Removed |
| 14 | Limited quantities (IMDG) | Removed |
| 14 | Stowage and handling (IMDG) | Removed |
| 14 | Stowage category (IMDG) | Removed |
| 14 | Tank special provisions (IMDG) | Removed |

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| Indication of changes | | |
|-----------------------|---|----------|
| Section | Changed item | Comments |
| 14 | Tank instructions (IMDG) | Removed |
| 14 | IBC special provisions (IMDG) | Removed |
| 14 | IBC packing instructions (IMDG) | Removed |
| 14 | Excepted quantities (IMDG) | Removed |
| 14 | Special provisions (IMDG) | Removed |
| 14 | Special provisions for carriage - Loading, unloading and handling (ADR) | Removed |
| 14 | Special provisions for carriage - Bulk (ADR) | Removed |
| 14 | Special provisions for carriage - Packages (ADR) | Removed |
| 14 | Tank code (ADR) | Removed |
| 14 | Portable tank and bulk container special provisions (ADR) | Removed |
| 14 | Portable tank and bulk container instructions (ADR) | Removed |
| 14 | Mixed packing provisions (ADR) | Removed |
| 14 | Special packing provisions (ADR) | Removed |
| 14 | Packing instructions (ADR) | Removed |
| 14 | Vehicle for tank carriage | Removed |
| 14.1 | UN-No. (ADR) | Removed |
| 14.1 | UN-No. (IMDG) | Removed |
| 14.1 | UN-No. (IATA) | Removed |
| 14.2 | Proper Shipping Name (ADR) | Removed |
| 14.3 | Danger labels (ADR) | Removed |
| 14.4 | Packing group (IATA) | Removed |
| 14.4 | Packing group (IMDG) | Removed |
| 14.4 | Packing group (ADR) | Removed |
| 14.6 | Special packing provisions (IMDG) | Removed |
| 14.6 | Packing instructions (IMDG) | Removed |
| 14.6 | Transport category (ADR) | Removed |
| 14.6 | Special provisions (ADR) | Removed |
| 14.6 | Excepted quantities (ADR) | Removed |
| 14.6 | Limited quantities (ADR) | Removed |
| 14.6 | Tunnel restriction code (ADR) | Removed |
| 14.6 | Hazard identification number (Kemler No.) | Removed |
| 14.6 | Classification code (ADR) | Removed |

| Full text of H- and EUH-statements: | |
|-------------------------------------|-----------------------------------|
| Acute Tox. 4 (Oral) | Acute toxicity (oral), Category 4 |

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| Full text of H- and EUH-statements: | |
|-------------------------------------|---|
| Aquatic Chronic 3 | Hazardous to the aquatic environment – Chronic Hazard, Category 3 |
| Repr. 2 | Reproductive toxicity, Category 2 |
| STOT RE 1 | Specific target organ toxicity – Repeated exposure, Category 1 |
| STOT SE 3 | Specific target organ toxicity – Single exposure, Category 3, Narcosis |
| H302 | Harmful if swallowed. |
| H336 | May cause drowsiness or dizziness. |
| H361 | Suspected of damaging fertility or the unborn child. |
| H372 | Causes damage to organs (cardiovascular system) through prolonged or repeated exposure. |
| H412 | Harmful to aquatic life with long lasting effects. |

Safety Data Sheet (SDS), EU

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