

Safety Data Sheet

Effective Date 13.04.2023

Revision 5.3

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Trade name: Buspirone hydrochloride
CAS-number: 33386-08-2

Reach registration number: NA

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

The uses of the chemical: Active pharmaceutical ingredients
Classification of the economic activities (NACE): 211
Use categories (UC62): 41

1.3. Details of the supplier of the safety data sheet:

Manufacturer/importer: Fermion Oy
Street address: Koivu-Mankkaan tie 6 A
Post-office box: P.O. Box 28
Postcode: 02101 Espoo, Finland
Telephone number: +358 10 4261
Telefax: +358 9 452 1764
E-mail address: chemicalsafety@orion.fi
VAT Reg. No: FI18552129

1.4. Emergency telephone number

Poison Center: +358 9 471 977

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to regulation (EC) No 1272/2008	Acute Tox. 3	H301,
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H Statements	Toxic if swallowed.
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2.2. Label elements

Hazard Pictograms



Signal word Danger

H Statements

H301 Toxic if swallowed.

P Statements

P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P501 Dispose of contents according to national and local law.

2.3. Other hazards

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Name of the ingredient	CAS-number:	EC-number	Reach registration number:

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Buspirone hydrochloride	33386-08-2	251-489-4	NA
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Other information -

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Special instructions	Helpers should ensure their own protection.
Inhalation	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
Skin contact	IF ON SKIN: Wash with soap and water.
Eye contact	IF IN EYES: Rinse continuously with water for several minutes. Get medical advice/attention.
Ingestion	Induce vomiting. If the patient is conscious, give plenty of water (2 - 4 glasses), and let the charcoal (approximately 20 tablets), or give activated charcoal slurry (2 - 4 glasses). Get medical advice/attention.

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

See section 11 for symptoms of exposure.

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

Data not available.

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SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media

- Powder
- Water
- Foam
- Carbon dioxide

5.2. Special hazards arising from the substance or mixture

May emit toxic fumes of hydrogen chloride and oxides of carbon and nitrogen during heating or fire.

5.3. Advice for fire-fighters

Special protective equipment for fire-fighters

Isolating breathing apparatus eg. compressed breathing apparatus and isolating protective clothing.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Access of extra people to the spill area must be prevented.

6.2. Environmental precautions

Data not available.

6.3. Methods and material for containment and cleaning up

Collect spilled powder without dusting into tight closed container.

6.4. Reference to other sections

See Section 8 and 13

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SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Handle in well-ventilated space.
All exposure must be avoided.

7.2. Conditions for safe storage, including any incompatibilities

Keep container tightly closed.
Protect from sunlight.
Store at +15 - 25 °C.
See incompatible materials in section 10.5.

7.3. Specific end use(s)

No information identified.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

International OEL values	-
DNELs	-
PNECs	-

8.2. Exposure controls

Appropriate engineering controls

All exposure must be avoided.
Handle in well-ventilated space.
Handle in closed systems or use an efficient local exhaust if dust, vapours or mists may release into workplace air. If technical measures cannot prevent exposure, wear personal protective equipment.

Respiratory protection

In open handling use respirator (P3) with a minimum protection factor of 200.
See standard working procedures/instructions or department's instructions for more detailed protection measures.

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Hand protection

Use protective gloves (e.g. nitrile or neopren gloves).

Eye protection

Use protective goggles.

Skin protection

In dust making work use disposal overalls and extra throwaway sleeves.

Environmental exposure controls

Do not put into water system, drain or soil.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical state	Crystalline
Colour	White
Odour	Odourless
Odour threshold	-

9.1. Information on basic physical and chemical properties

Melting point 201 - 205 °C

Water solubility Freely soluble

Solubility Soluble in ethanol, chloroform

9.2. Other information

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SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

-

10.2. Chemical stability

Stable when stored and handled according to instructions of use.

10.3. Possibility of hazardous reactions

Not expected to occur.

10.4. Conditions to avoid

Strongly oxidizing conditions

10.5. Incompatible materials

Oxidants

10.6 Hazardous decomposition products

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SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity	Toxic if swallowed. LD50 = 196 mg/kg (rat, oral)
Skin irritation and corrosion	Data not available.
Skin sensitization	Data not available.
Serious eye damage and irritation	Data not available.

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Respiratory irritation Data not available.

Respiratory sensitization Data not available.

Carcinogenicity Data not available.

Germ cell mutagenicity Data not available.

Reproductive toxicity Data not available.

STOT-single exposure Data not available.

STOT-repeated exposure Data not available.

Aspiration hazard Data not available.

Repeated dose toxicity Data not available.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Aquatic toxicity

Data not available.

Toxic effects on other organisms

Data not available.

12.2. Persistence and degradability

Data not available.

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12.3. Bioaccumulative potential

Octanol-water partition coefficient Data not available.

Bioconcentration factor Data not available.

12.4. Mobility in soil

Data not available.

12.5. Results of PBT and vPvB assessment

Data not available.

12.6. Other adverse effects

Data not available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Chemicals must be disposed of in compliance with the respective national regulations.

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SECTION 14: TRANSPORT INFORMATION

14.1. UN Number

UN 2811

14.2. UN Proper shipping name

TOXIC SOLID, ORGANIC, N.O.S. (Buspirone hydrochloride)

14.3. Transport hazard class(es) (ADR/RID,IMDG,ICAO/IATA)

6.1

14.4. Packing group

III

14.5. Environmental hazard

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14.6. Special precautions for user

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14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

Not applicable

SECTION 15: REGULATORY INFORMATION

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

The product has not been fully tested.

15.2. Chemical Safety Assessment

No

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SECTION 16: OTHER INFORMATION

Further information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Fermion Oy shall not be held liable for any damage resulting from handling or from contact with the above product.

Sources of key data used to compile the Safety Data Sheet

Information provided by the supplier

Information which has been added, deleted or revised

Updated section / sections:

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