

Effective Date 25.09.2017  
Revision 5.0

### 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 0 9452 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 1272/2008	Acute Tox. 3	H301,
H Statements	Toxic if swallowed.	

#### 2.2. Label elements

Hazard Pictograms

Effective Date 25.09.2017  
Revision 5.0



**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

-

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Substances

Name of the ingredient	CAS-number:	EC-number	Reach registration number:
Buspiron hydrochloride	33386-08-2	251-489-4	NA

**Request for Confidentiality by Annex 2** No

**Substance indicated Confidential** No

**Other information** -

Effective Date 25.09.2017  
Revision 5.0

### SECTION 4: FIRST AID MEASURES

#### 4.1. Description of first aid measures

<b>Special instructions</b>	Helpers should ensure their own protection.
<b>Inhalation</b>	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
<b>Skin contact</b>	IF ON SKIN: Wash with soap and water.
<b>Eye contact</b>	IF IN EYES: Rinse continuously with water for several minutes. Get medical advice/attention.
<b>Ingestion</b>	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.

### SECTION 5: FIRE-FIGHTING MEASURES

#### 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	Powder Water Foam Carbon dioxide
-------------------------------------	---

Effective Date 25.09.2017  
Revision 5.0

### 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

Effective Date 25.09.2017  
 Revision 5.0

### 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.

##### Respiratory protection

Use respirator, filtration P3. In laboratories work in fume hood or under dust control hood.  
 See particular department's regulations of protection.

##### Hand protection

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

##### Eye protection

Use protective goggles.

##### Skin protection

Effective Date 25.09.2017  
Revision 5.0

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

-

## 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.

Effective Date 25.09.2017

Revision 5.0

### 10.4. Conditions to avoid

Strongly oxidizing conditions

### 10.5. Incompatible materials

Oxidants

### 10.6 Hazardous decomposition products

-

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

<b>Acute toxicity</b>	Toxic if swallowed. LD50 = 196 mg/kg (rat, oral)
<b>Skin irritation and corrosion</b>	Data not available.
<b>Skin sensitization</b>	Data not available.
<b>Serious eye damage and irritation</b>	Data not available.
<b>Respiratory irritation</b>	Data not available.
<b>Respiratory sensitization</b>	Data not available.
<b>Carcinogenicity</b>	Data not available.
<b>Germ cell mutagenicity</b>	Data not available.
<b>Reproductive toxicity</b>	Data not available.
<b>STOT-single exposure</b>	Data not available.
<b>STOT-repeated exposure</b>	Data not available.
<b>Aspiration hazard</b>	Data not available.

Effective Date 25.09.2017

Revision 5.0

**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.

### 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.



Effective Date 25.09.2017

Revision 5.0

#### 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

-

##### 14.6. Special precautions for user

Transport temperature +15-25 °C

##### 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

Effective Date 25.09.2017  
Revision 5.0

**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:  
7, 14