

**Zilpaterol hydrochloride, reference material**

R1230-10MG

Version 1.1

Revision Date 26.07.2021

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

**1.1. Product identifier**

Product name : Zilpaterol hydrochloride, reference material

SDS-number : 000000018846

Type of product : Substance

Remarks : Document according to Art. 32 of Regulation (EC) 1907/2006.  
A registration number is not available for this substance as the  
substance or its uses are exempted from registration.

Chemical name : Zilpaterol hydrochloride

CAS-No. : 119520-06-8

REACH Registration Number : no data available

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

Use of the Substance/Mixture : Laboratory chemicals  
Reference Standard

Uses advised against : Not for pharmaceutical

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

Company : Honeywell Specialty Chemicals Seelze GmbH  
Wunstorfer Straße 40  
30926 Seelze  
Germany  
Telephone : (49) 5137-999 0  
For further information, please contact: PMTEU Product Stewardship:  
SafetyDataSheet@Honeywell.com

Honeywell International, Inc.  
115 Tabor Road  
Morris Plains, NJ 07950-2546  
USA

**1.4. Emergency telephone number**

Emergency telephone number : +1-703-527-3887 (ChemTrec-Transport)  
+1-303-389-1414 (Medical)

Country based Poison : see chapter 15.1

**Zilpaterol hydrochloride, reference material**

R1230-10MG

Version 1.1

Revision Date 26.07.2021

Control Center

**SECTION 2: Hazards identification**

**2.1. Classification of the substance or mixture**

**REGULATION (EC) No 1272/2008**

Not a hazardous substance or mixture.

**2.2. Label elements**

**REGULATION (EC) No 1272/2008**

Not a hazardous substance or mixture.

**2.3. Other hazards**

Results of PBT and vPvB assessment, see chapter 12.5.

**SECTION 3: Composition/information on ingredients**

**3.1. Substance**

Chemical name	CAS-No. Index-No. REACH Registration Number EC-No.	Classification 1272/2008	Concentration	Remarks
Zilpaterol hydrochloride	119520-06-8		100 %	N.C.*

N.C.\* - Non-hazardous substance - for information only

**3.2. Mixture**

Not applicable

Occupational Exposure Limit(s), if available, are listed in Section 8.  
For the full text of the H-Statements mentioned in this Section, see Section 16.

## Zilpaterol hydrochloride, reference material

R1230-10MG

Version 1.1

Revision Date 26.07.2021

---

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

*General advice:*

First aider needs to protect himself. Move out of dangerous area. Take off all contaminated clothing immediately.

*Inhalation:*

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Use oxygen as required, provided a qualified operator is present. Call a physician.

*Skin contact:*

Wash off immediately with plenty of water for at least 15 minutes. Take off contaminated clothing and shoes immediately. Wash contaminated clothing before re-use. Call a physician if irritation develops or persists.

*Eye contact:*

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Protect unharmed eye. Call a physician if irritation develops or persists.

*Ingestion:*

Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. If victim is fully conscious, give a cupful of water. Call a physician.

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

No data available

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

No data available

See Section 11 for more detailed information on health effects and symptoms.

:

## Zilpaterol hydrochloride, reference material

R1230-10MG

Version 1.1

Revision Date 26.07.2021

---

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

*Suitable extinguishing media:*

Water spray  
Foam  
Carbon dioxide (CO<sub>2</sub>)  
Dry powder

*Extinguishing media which shall not be used for safety reasons:*

Do not use a solid water stream as it may scatter and spread fire.

#### 5.2. Special hazards arising from the substance or mixture

In case of fire hazardous decomposition products may be produced such as:

Carbon oxides  
Chlorine compounds  
nitrogen oxides

#### 5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective suit.

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

---

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protective equipment. Unprotected persons must be kept away. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Do not breathe dust.

#### 6.2. Environmental precautions

Prevent further leakage or spillage if safe to do so. Discharge into the environment must be avoided. Do not flush into surface water or sanitary sewer system.

#### 6.3. Methods and materials for containment and cleaning up

Ventilate the area.

Take up mechanically and collect in suitable container for disposal.

Dispose of in accordance with local regulations.

## Zilpaterol hydrochloride, reference material

R1230-10MG

Version 1.1

Revision Date 26.07.2021

### 6.4. Reference to other sections

For personal protection see section 8.

---

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

*Advice on safe handling:*

Wear personal protective equipment. Use only in well-ventilated areas. Avoid contact with skin, eyes and clothing.

*Advice on protection against fire and explosion:*

Normal measures for preventive fire protection.

*Hygiene measures:*

When using do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product. Keep working clothes separately. Remove and wash contaminated clothing before re-use.

### 7.2. Conditions for safe storage, including any incompatibilities

*Requirements for storage areas and containers:*

Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place. Store away from incompatible substances.

*Further information on storage conditions:*

Recommended storage temperature: 2 - 8 °C

### 7.3. Specific end use(s)

no additional data available

---

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Components with workplace control parameters

Contains no substances with occupational exposure limit values.

#### DNEL/ PNEC-Values

No DNEL-data available.

## Zilpaterol hydrochloride, reference material

R1230-10MG

Version 1.1

Revision Date 26.07.2021

No PNEC data available.

### 8.2. Exposure controls

#### Occupational exposure controls

The Personal Protective Equipment must be in accordance with EN standards:respirator EN 136, 140, 149; safety glasses EN 166; protective suit: EN 340, 463, 468, 943-1, 943-2; gloves EN 374, 511; safety shoes EN-ISO 20345.

#### Engineering measures

Ensure adequate ventilation.

#### Personal protective equipment

##### *Respiratory protection:*

In case of insufficient ventilation, wear suitable respiratory equipment.

##### *Hand protection:*

Glove material: Natural Latex

Break through time: > 480 min

Glove thickness: 0,6 mm

Lapren®706

Gloves must be inspected prior to use.

Replace when worn.

Remarks:Supplementary note: The specifications are based on information and tests from similar substances by analogy.

Due to varying conditions ( e.g.temperature or other strains) it must be considered that the usage of a chemical protective glove in practice may be much shorter than the permeation time determined in accordance with EN 374.

Since actual conditions of practical use often deviate from standardised conditions according EN 374 the glove manufacturer recommends to use the chemical protective glove in practice not longer than 50% of the recommended permeation time.

Manufacturer's directions for use should be observed because of great diversity of types .

Suitable gloves tested according EN 374 are supplied e.g. from KCL GmbH, D-36124 Eichenzell, Vertrieb@kcl.de

##### *Eye protection:*

Safety glasses with side-shields

##### *Skin and body protection:*

Wear suitable protective equipment.

Wear as appropriate:

Protective suit

**Zilpaterol hydrochloride, reference material**

R1230-10MG

Version 1.1

Revision Date 26.07.2021

**Environmental exposure controls**

Handle in accordance with local environmental regulations and good industrial practices.

**SECTION 9: Physical and chemical properties**

**9.1. Information on basic physical and chemical properties**

Physical state	: solid
Colour	: beige
Odour	: odourless
molecular weight	: 297,78 g/mol
Melting point/range	: 229 - 233 °C
Boiling point/boiling range	: No data available
Upper explosion limit	: Not applicable
Lower explosion limit	: Not applicable
Flash point	: Not applicable
Auto-ignition temperature	: No data available
pH	: No data available
Water solubility	: No data available
Partition coefficient: n-octanol/water	: No data available
Density	: No data available

**9.2 Other Information**

Oxidizing properties	: Not applicable: Not expected to have oxidizing properties based on theoretical evaluation
----------------------	---

**Zilpaterol hydrochloride, reference material**

R1230-10MG

Version 1.1

Revision Date 26.07.2021

---

**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

Stable under recommended storage conditions.

**10.2. Chemical stability**

No decomposition if used as directed.

**10.3. Possibility of hazardous reactions**

Hazardous polymerisation does not occur.

**10.4. Conditions to avoid**

Protect from heat/overheating.

**10.5. Incompatible materials**

Strong oxidizing agents

**10.6. Hazardous decomposition products**

Carbon oxides  
Nitrogen oxides (NO<sub>x</sub>)  
Chlorine compounds

---

**SECTION 11: Toxicological information**

**11.1. Information on toxicological effects**

*Acute oral toxicity:*  
No data available

*Acute dermal toxicity:*  
No data available

*Acute inhalation toxicity:*  
No data available

*Skin irritation:*  
No data available

*Eye irritation:*



**Zilpaterol hydrochloride, reference material**

R1230-10MG

Version 1.1

Revision Date 26.07.2021

No data available

*Respiratory or skin sensitisation:*

No data available

*Repeated dose toxicity:*

Note: No data available

*Carcinogenicity:*

Note: No data available

*Germ cell mutagenicity:*

Note: No data available

*Reproductive toxicity:*

Remarks: No data available

*Aspiration hazard:*

No data available

**11.2. Information on other hazards**

Endocrine disrupting properties

No data available

*Other information:*

No data available

---

**SECTION 12: Ecological information**

**12.1. Toxicity**

*Toxicity to fish:*

No data available

*Toxicity to aquatic plants:*

No data available

*Toxicity to aquatic invertebrates:*

No data available

**12.2. Persistence and degradability**

*Biodegradability:*

**Zilpaterol hydrochloride, reference material**

R1230-10MG

Version 1.1

Revision Date 26.07.2021

No data available

**12.3. Bioaccumulative potential**

No data available

**12.4. Mobility in soil**

No data available

**12.5. Results of PBT and vPvB assessment**

No data available

**12.6. Endocrine disrupting properties**

No data available

**12.7. Other adverse effects**

No data available

---

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

*Product:*

Dispose according to legal requirements.

*Packaging:*

Legal requirements are to be considered in regard of reuse or disposal of used packaging materials

*Further information:*

Provisions relating to waste:

EC Directive 2006/12/EC; 2008/98/EEC

Regulation No. 1013/2006

For personal protection see section 8.

---

**SECTION 14: Transport information**

**14.1 UN number**

ADR/RID:Not dangerous goods    IMDG:Not dangerous goods    IATA:Not dangerous goods

**14.2 UN proper shipping name**

ADR/RID:Not dangerous goods

**Zilpaterol hydrochloride, reference material**

R1230-10MG

Version 1.1

Revision Date 26.07.2021

IMDG: Not dangerous goods

IATA: Not dangerous goods

**14.3 Transport hazard class(es)**

**14.4 Packaging group**

**14.5 Environmental hazards**

ADR/RID: no

Marine pollutant: no

**14.6 Special precautions for user**

No data available

**14.7 Maritime transport in bulk according to IMO instruments**

No data available

**SECTION 15: Regulatory information**

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

Basis	Value	Remarks
Directive 2012/18/EC		Not applicable

**Poison Control Center**

Country	Phone Number
Austria	+4314064343
Belgium	070 245245
Bulgaria	(+359)29154233
Croatia	(+3851)23-48-342
Cyprus	+357 2240 5611
Czech Republic	+420224919293; +420224915402
Denmark	82121212
Estonia	16662; (+372)6269390
Finland	9471977
France	+33(0)145425959
Greece	+30 210 779 3777

Country	Phone Number
Liechtenstein	+41 442515151
Lithuania	+370532362052
Luxembourg	070245245; (+352)80002-5500
Malta	+356 2395 2000
Netherlands	030-2748888
Norway	22591300
Poland	+48 42 25 38 400
Portugal	800250250
Romania	+40 21 318 3606
Slovakia (NTIC)	+421 2 54 774 166
Slovenia	+386 1 400 6051

**Zilpaterol hydrochloride, reference material**

R1230-10MG

Version 1.1

Revision Date 26.07.2021

Hungary	(+36-80)201-199	Spain	+34915620420
Iceland	5432222	Sweden	112 (begär Giftinformation);+46104566786
Ireland	+353(1)8092166	Switzerland	145
Italy	0382 24444	United Kingdom	(+44) 844 892 0111
Germany	Berlin : 030/19240		
	Bonn : 0228/19240		
	Erfurt : 0361/730730		
	Freiburg : 0761/19240		
	Göttingen : 0551/19240		
	Homburg : 06841/19240		
	Mainz : 06131/19240		
	Munich : 089/19240		
Latvia	+37167042473		

**Other inventory information**

US. Toxic Substances Control Act  
Not On TSCA Inventory

Australia. Industrial Chemical (Notification and Assessment) Act  
Not in compliance with the inventory

Canada. Canadian Environmental Protection Act (CEPA). Domestic Substances List (DSL)  
Not in compliance with the inventory

Japan. Kashin-Hou Law List  
Not in compliance with the inventory

Korea. Existing Chemicals Inventory (KECI)  
Not in compliance with the inventory

Philippines. Inventory of Chemicals and Chemical Substances (PICCS)  
Not in compliance with the inventory

China. Inventory of Existing Chemical Substances (IECSC)  
Not in compliance with the inventory

New Zealand. Inventory of Chemicals (NZIoC), as published by ERMA New Zealand  
Not in compliance with the inventory

## Zilpaterol hydrochloride, reference material

R1230-10MG

Version 1.1

Revision Date 26.07.2021

---

### 15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

---

## SECTION 16: Other information

### Further information

All directives and regulations refer to amended versions.

Vertical lines in the left hand margin indicate a relevant amendment from the previous version.

Abbreviations:

EC European Community

CAS Chemical Abstracts Service

DNEL Derived no effect level

PNEC Predicted no effect level

vPvB Very persistent and very bioaccumulative substance

PBT Persistent, bioaccumulative und toxic substance

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. Final determination of suitability of any material is the sole responsibility of the user.

This information should not constitute a guarantee for any specific product properties.

---