## Safety Data Sheet

## according to UK REACH Regulation

## 1M Hydrochloric acid

Revision date: 02.11.2022

Product code: PEBG-0059-2-R-V4

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

## 1.1. Product identifier

1M Hydrochloric acid

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

1.3. Details of the supplier of the	safety data sheet	
Company name:	ABX advanced biochemical com	pounds
	Biomedizinische Forschungsreag	genzien GmbH
Street:	Heinrich-Gläser-Straße 10-14	
Place:	01454 Radeberg	
Telephone:	+49 3528 4041 60	Telefax: +49 3528 4041 65
e-mail:	info@abx.de	
Contact person:	Dr. Christoph Meyer	Telephone: +49 3528 4041 8732
e-mail:	meyer@abx.de	
Internet:	http://www.abx.de	
1.4. Emergency telephone	+49 3528 4041 60	

number:

**SECTION 2: Hazards identification** 

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

#### **GB CLP Regulation**

This mixture is not classified as hazardous in accordance with GB CLP Regulation.

## 2.2. Label elements

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

## 3.2. Mixtures

#### Hazardous components

CAS No	Chemical name		Quantity	
	EC No	Index No	REACH No	
	Classification (GB CLP Regulation)			
7647-01-0	hydrochloric acid 37 %			1 - < 5 %
	231-595-7			
	Skin Corr. 1B, STOT SE 3; H314 H	335		

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

#### **SECTION 4: First aid measures**

#### 4.1. Description of first aid measures

#### After inhalation

Provide fresh air.

#### After contact with skin

After contact with skin, wash immediately with: Water. Change contaminated clothing.

#### After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water.

## After ingestion

If swallowed, immediately drink: Water.

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#### **SECTION 5: Firefighting measures**

## 5.1. Extinguishing media

## Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings.

#### 5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

#### Additional information

Contaminated fire-fighting water must be collected separately. Do not allow to enter into surface water or drains.

#### **SECTION 6: Accidental release measures**

## 6.2. Environmental precautions

Do not allow to enter into surface water or drains.

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

## Other information

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

## **SECTION 7: Handling and storage**

#### 7.1. Precautions for safe handling

#### Advice on general occupational hygiene

Change contaminated clothing. Wash hands before breaks and after work. When using do not eat or drink.

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

#### Requirements for storage rooms and vessels

Keep container tightly closed.

## Further information on storage conditions

Maximum storage temperature: +30 °C Protect against: Light.

## **SECTION 8: Exposure controls/personal protection**

#### 8.1. Control parameters

#### **Exposure limits (EH40)**

CAS No	Substance	ppm	mg/m³	fibres/ml	Category	Origin
7647-01-0	Hydrogen chloride (gas and aerosol mists)	1	2		TWA (8 h)	WEL
		5	8		STEL (15 min)	WEL

## 8.2. Exposure controls

## **SECTION 9: Physical and chemical properties**

## 9.1. Information on basic physical and chemical properties

Physical state:	liquid
Colour:	colourless

## Changes in the physical state

Water solubility:

easily soluble.

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## **SECTION 10: Stability and reactivity**

## **SECTION 11: Toxicological information**

## 11.1. Information on hazard classes as defined in GB CLP Regulation

#### Additional information on tests

The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC).

## **SECTION 12: Ecological information**

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

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.

## 12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

#### **Further information**

The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC).

#### **SECTION 13: Disposal considerations**

#### 13.1. Waste treatment methods

#### **Disposal recommendations**

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

#### Contaminated packaging

Water (with cleaning agent). Completely emptied packages can be recycled.

#### **SECTION 14: Transport information**

#### Other applicable information

No dangerous good in sense of these transport regulations.

#### **SECTION 15: Regulatory information**

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

#### National regulatory information

Water hazard class (D):

1 - slightly hazardous to water

## **SECTION 16: Other information**

## Relevant H and EUH statements (number and full text)

H314	Causes severe skin burns and eye damage.
H335	May cause respiratory irritation.

# (The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)