## according to UK REACH Regulation

# 3% Ethanol/Water solution

Revision date: 25.11.2022

Product code: PEFL-0020-V5

Page 1 of 4

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

#### 1.1. Product identifier

3% Ethanol/Water solution

## 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

ABX advanced biochemical com	pounds
Biomedizinische Forschungsreag	genzien GmbH
Heinrich-Gläser-Straße 10-14	
01454 Radeberg	
+49 3528 4041 60	Telefax: +49 3528 4041 65
info@abx.de	
Dr. Christoph Meyer	Telephone: +49 3528 4041 8732
meyer@abx.de	
http://www.abx.de	
+49 3528 4041 60	
	Biomedizinische Forschungsreag Heinrich-Gläser-Straße 10-14 01454 Radeberg +49 3528 4041 60 info@abx.de Dr. Christoph Meyer meyer@abx.de http://www.abx.de

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.

This preparation does not contain harmful substances and/or substances hazardous to the environment in accordance with the substance directive 67/548/EC or substances to which occupationel exposure limit values are allocated.

#### 2.2. Label elements

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

### 3.2. Mixtures

### Hazardous components

CAS No	Chemical name				
	EC No	Index No	REACH No		
	Classification (GB CLP Regulation)				
64-17-5	ethanol; ethyl alcohol				
	200-578-6	603-002-00-5			
	Flam. Liq. 2; H225				

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

### Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity		
	Specific Cond	Specific Conc. Limits, M-factors and ATE			
64-17-5	200-578-6	ethanol; ethyl alcohol	1 - < 5 %		
	inhalation: LC50 = 95,6 mg/l (vapours); oral: LD50 = 6200 mg/kg				

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

#### 4.1. Description of first aid measures

#### After inhalation

Provide fresh air.

## according to UK REACH Regulation

# 3% Ethanol/Water solution

Revision date: 25.11.2022

Product code: PEFL-0020-V5

Page 2 of 4

# 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.

## **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**

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

#### **General advice**

Provide adequate ventilation.

# 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
64-17-5	Ethanol	1000	1920		TWA (8 h)	WEL

### 8.2. Exposure controls

## according to UK REACH Regulation

	3% Ethanol/Water solution				
Revision date: 25.11.2022	Product code: PEFL-0020-V5	Page 3 of 4			
Appropriate engineering controls If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.					
<b>SECTION 9: Physical and chemical</b>	properties				
9.1. Information on basic physical and	chemical properties				
Physical state:	liquid				
Colour:	colourless				
Changes in the physical state					
Flash point:	> 60 °C				
Water solubility:	easily soluble.				
SECTION 10: Stability and reactivity	/				

## **SECTION 11: Toxicological information**

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

## Acute toxicity

CAS No	Chemical name							
	Exposure route Dose Species Source Method							
64-17-5	ethanol; ethyl alcohol	ethanol; ethyl alcohol						
	oral	LD50 mg/kg	6200	Rat	IUCLID			
	inhalation (4 h) vapour	LC50	95,6 mg/l	Rat	RTECS			

## 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

# 12.1. Toxicity

CAS No	Chemical name						
	Aquatic toxicity Dose [h]   [d] Species Source Method						
64-17-5	ethanol; ethyl alcohol						
	Acute crustacea toxicity	EC50 9268 - 14221 mg/l	48 h	Daphnia magna	IUCLID		

# 12.3. Bioaccumulative potential

# Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
64-17-5	ethanol; ethyl alcohol	-0,31

## 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.

## according to UK REACH Regulation

# 3% Ethanol/Water solution

Revision date: 25.11.2022

Product code: PEFL-0020-V5

Page 4 of 4

### 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

Not a hazardous material with respect to transportation regulations.

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

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

#### EU regulatory information

Restrictions on use (REACH, annex XVII):

# Entry 40

# National regulatory information

Water hazard class (D):

- - non-hazardous to water

# **SECTION 16: Other information**

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

H225 Highly flammable liquid and vapour.

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