Telephone: +49 3528 4041 8732

# **Safety Data Sheet**

according to UK REACH Regulation

#### 3% Ethanol/Water solution

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### 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

Company name: ABX advanced biochemical compounds

Biomedizinische Forschungsreagenzien GmbH

Street: Heinrich-Gläser-Straße 10-14

Place: 01454 Radeberg
Telephone: +49 3528 4041 60

Telephone: +49 3528 4041 60 Telefax: +49 3528 4041 65

e-mail: info@abx.de

Contact person: Dr. Christoph Meyer
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.

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	Chemical name				
	EC No	Index No	REACH No			
	Classification (GB CLP Regulation)					
64-17-5	ethanol; ethyl alcohol	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 Conc. I	cific Conc. Limits, M-factors and ATE			
64-17-5	200-578-6	ethanol; ethyl alcohol			
	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.

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#### 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

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# Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

## **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

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	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.

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#### **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.)