

# SAFETY DATA SHEET

According to EC Directive 1907/2006/EC



## ABTS Buffer, 16.7g

Version 2.2  
Processing date 30.01.2009

Page 1/4  
Printing date 25.02.2010

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

#### Product information

Commercial Product Name:	ABTS Buffer, 16.7g	
Mat.-No./ Genisys-No.:	11112597001	
Intended use:	Laboratory use	
Company:	Roche Diagnostics GmbH Sandhoferstrasse 116 68305 Mannheim	
E-mail:	mannheim.umweltschutz@roche.com	
Telephone:	+496217590	
Telefax:	+496217592890	
Responsible Department:	+49(0)621-759-2012 +49(0)621-759-4848 +49(0)8856-60-2629	
In case of emergencies:	Central Works Security Roche Diagnostics GmbH	+49(0)621-759-2203
Centre for detoxification:	Mainz Munich	+49(0)6131-19240 +49(0)89-19240

### 2. HAZARDS IDENTIFICATION

#### Risk advice to man and the environment

There is at present no information or indication of hazardous properties.

The usual precautions taken when handling chemicals should be observed.

Note: slightly hazardous to water and ground

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Ingredients:

Labelling: not required

Ingredients < 3 % Sodium perborate tetrahydrate; CAS-No. 13517-20-9  
Labelling: T; R61-R20-R37-R41-R62; S53-S45-S47

### 4. FIRST AID MEASURES

Inhalation:	Remove victim to fresh air, if necessary seek medical advice.
Skin contact:	Wash skin with water thoroughly.

# SAFETY DATA SHEET

According to EC Directive 1907/2006/EC



## ABTS Buffer, 16.7g

Version 2.2  
Processing date 30.01.2009

Page 2/4  
Printing date 25.02.2010

Eye contact: Promptly wash eyes with water for at least 15 minutes, if necessary seek medical advice.  
Ingestion: Obtain medical attention.  
Instructions for physician: Symptomatic treatment by a physician.

### 5. FIRE-FIGHTING MEASURES

Extinguishing media: No restriction.  
Decomposition: Dangerous decomposition is not anticipated.

### 6. ACCIDENTAL RELEASE MEASURES

Actions to be taken on spillage: Sweep up spilled solids in dry condition, avoiding dust formation.  
Absorbent material: Not necessary.  
Actions to be taken to limit damage: Special measures to limit damage are not necessary.

### 7. HANDLING AND STORAGE

Handling: Combustible substance. Avoid formation of dust; dust extraction by suction is required for procedures associated with dust formation.  
Storage: at 2~ 8°C | 36~ 46°F.  
Do not store together with: No restriction.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Personal protective equipment

Respiratory protection: No personal respiratory protective equipment normally required.  
Eye protection: Safety glasses  
Hand protection: Protective gloves  
Hygiene measures: Wash hands before breaks and at the end of workday.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Form: solid  
Colour: white  
Odour: very faint

# SAFETY DATA SHEET

According to EC Directive 1907/2006/EC



## ABTS Buffer, 16.7g

Version 2.2  
Processing date 30.01.2009

Page 3/4  
Printing date 25.02.2010

pH: ca. 4,5  
Fire promoting: Substance does not have any oxidizing properties.  
Water solubility: Very soluble.

### 10. STABILITY AND REACTIVITY

Hazardous reactions: None known.  
Hazardous decomposition products: No data available

### 11. TOXICOLOGICAL INFORMATION

#### Toxicological data of ingredients

*Sodium perborate tetrahydrate*

Oral toxicity: LD50 rat 2.567 mg/kg  
LD50 rat 1.200 mg/kg  
LD50 mouse 1.060 mg/kg  
Toxicity (others): LD50 intraperitoneal mouse 538 mg/kg

#### Toxicological information for the product

Intoxication has so far not become known.

### 12. ECOLOGICAL INFORMATION

Water hazard class: 1  
Classification according to German regulations (VwVwS)

#### Ecotoxicological effects of ingredients

*Sodium perborate tetrahydrate* Toxicity to fish: LC50 *Leuciscus idus* 175 mg/l (48 h)

Toxicity to bacteria: EC5 *Pseudomonas putida* 290 mg/l

Toxicity to daphnia: EC50 *Daphnia magna* 133 - 226 mg/l (48 h)

Biodegradability: ca. 85 % 2 d Readily decomposed biologically.

Additional ecological information (ingredients): Do not allow to get into waste water or surface water.

### 13. DISPOSAL CONSIDERATIONS

Waste disposal route: Remaining quantities can be disposed of in waste water, taking care to observe official threshold values.

Disposal of empty packaging: Dispose of empty packs via local recycling or waste disposal routes- if necessary, clean them beforehand.

# SAFETY DATA SHEET

According to EC Directive 1907/2006/EC



## ABTS Buffer, 16.7g

Version 2.2  
Processing date 30.01.2009

Page 4/4  
Printing date 25.02.2010

Retail packages of biochemical and diagnostics catalog merchandise are recycled through the acquisition of licenses in "Der Grüne Punkt". Contaminated primary packaging materials of diagnostics catalog merchandise in the sense of § 7 of the Packaging Ordinance are disposed of legally through the company Interseroh.

### 14. TRANSPORT INFORMATION

Is not subject to current regulations for transportation of dangerous goods (ADR/RID, IMDG, IATA/ICAO)

### 15. REGULATORY INFORMATION

#### Labelling according to EC-Directives

Note: This product has not to be labeled in accordance with EEC directive 67/548 and 99/45.

#### National regulations

German BetriebssicherheitsVO: Not subject to German Ordinance on Industrial Health and Safety (formerly Regulations on Flammable Liquids).

-

### 16. OTHER INFORMATION

#### Further information

The information herein is believed to be correct as of the date hereof but is provided without warranty of any kind. The recipient of our product is responsible for ensuring that, where applicable, existing laws and guidelines are observed.