

# SAFETY DATA SHEET

According to EC Directive 1907/2006/EC



## b-Galactose Dehydrogenase, 1mg

Version 2.  
Processing date 19.11.2007

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Printing date 25.02.2010

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

#### Product information

Commercial Product Name:	b-Galactose Dehydrogenase, 1mg	
Mat.-No./ Genisys-No.:	10104973001	
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 42 % Ammonium Sulfate; CAS-No. 7783-20-2

Dehydrogenase, Galaktose-; CAS-No. 9028-54-0

### 4. FIRST AID MEASURES

General advice:	Show this safety data sheet to the doctor in attendance.
Inhalation:	Move to fresh air.

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Skin contact: Wash skin with water thoroughly or use a shower.  
Eye contact: Wash eyes with water for at least 15 minutes.  
Ingestion: If malaise develops seek medical advice.  
  
Instructions for physician: Symptomatic treatment by a physician.

### 5. FIRE-FIGHTING MEASURES

Extinguishing media: No restriction. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  
Decomposition: Dangerous decomposition is not anticipated.

### 6. ACCIDENTAL RELEASE MEASURES

Actions to be taken on spillage: Absorb spilled substance with fluid binders. Send for disposal and clean up.  
Absorbent material: No restriction.  
Actions to be taken to limit damage: Special measures to limit damage are not necessary.

### 7. HANDLING AND STORAGE

Handling: The product itself does not burn. No special requirements.  
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: liquid  
Colour: white

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Odour: very faint  
pH: ca. 6  
Fire promoting: Substance does not have any oxidizing properties.  
Miscibility with water: completely miscible

### 10. STABILITY AND REACTIVITY

Hazardous reactions: none under normal use  
Hazardous decomposition products: No data available

### 11. TOXICOLOGICAL INFORMATION

#### Toxicological data of ingredients

##### *Ammonium Sulfate*

Oral toxicity: LD50 rat 2.840 mg/kg  
LD50 mouse 640 mg/kg  
Toxicity (skin contact): LD50 rat > 2.000 mg/kg  
Toxicity (others): LD50 intraperitoneal mouse 610 mg/kg

#### Toxicological information for the product

Intoxication has so far not become known.

### 12. ECOLOGICAL INFORMATION

Water hazard class: 1  
Self-classification

#### Ecotoxicological effects of ingredients

##### *Ammonium Sulfate*

Toxicity to fish: LC50 Leuciscus idus 460 mg/l (4 d)  
LC50 Zebra fish (Danio rerio) 420 mg/l (4 d)  
LC50 Pimephales promelas > 100 mg/l (4 d)  
LC50 Carp 141 mg/l (4 d)

Toxicity to daphnia: LC50 Daphnia magna 433 mg/l (50 h)

Value log P(o/w): -5,1

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

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### 13. DISPOSAL CONSIDERATIONS

Waste disposal route: Used reagent can be disposed of in the waste water in accordance with local regulations.

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

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.