

# SAFETY DATA SHEET

according to EC directive 2001/58/EC



## SDS, Electrophoresis Grade

Version 1.1  
Processing date 06.04.2006

Page 1/5  
Printing date 21.06.2006

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

#### Product information

Commercial Product Name: SDS, Electrophoresis Grade  
Mat.-No./ Genisys-No.: 11667289001  
Intended use:  
Company: Roche Diagnostics GmbH  
Sandhoferstrasse 116  
68305 Mannheim  
Telephone: +496217590  
Telefax: +496217592890  
Responsible Department: +49(0)621-759-2012 oder +49(0)621-759-4848

In case of emergencies  
Central Works Security Roche Diagnostics GmbH: ++49(0)621-759-2203  
Centre for detoxification: Mainz +49-6131-232466 or -232467 / München +49-89-19240

### 2. CHEMICAL CHARACTERISATION

#### Chemical Nature

CAS-No.: 151-21-3  
EINECS-No.: 205-788-1  
Molecular formula: C<sub>12</sub> H<sub>25</sub> Na O<sub>4</sub> S  
Molecular Weight: 288.38

### 3. HAZARDS IDENTIFICATION

#### Risk advice to man and the environment

Is to be classified according to EEC directive 67/548 and 99/45 as hazardous.

Classification: Highly flammable  
Harmful

Warnings: R11 Highly flammable.  
R20/22 Harmful by inhalation and if swallowed.  
R37/38 Irritating to respiratory system and skin.  
R41 Risk of serious damage to eyes.

Note: hazardous to water and ground

### 4. FIRST AID MEASURES

Skin contact: Wash skin with water thoroughly.  
Eye contact: Promptly wash eyes with water for at least 15 minutes, if necessary seek medical advice.  
Ingestion: If accidentally swallowed obtain immediate medical attention.

# SAFETY DATA SHEET

according to EC directive 2001/58/EC



## SDS, Electrophoresis Grade

Version 1.1  
Processing date 06.04.2006

Page 2/5  
Printing date 21.06.2006

Instructions for physician: Symptomatic treatment by a physician.

### 5. FIRE-FIGHTING MEASURES

Extinguishing media: No restriction.  
Decomposition: Fire or thermal decomposition may cause the formation of poisonous/ hazardous gases/ fumes.

### 6. ACCIDENTAL RELEASE MEASURES

Actions to be taken on spillage: Sweep up spilled solids carefully.  
Absorbent material: No restriction.  
Actions to be taken to limit damage: Consult a specialist for disposal of the spilled substance. Prevent discharge of the product into the sewage system, cess pits and cellars.

### 7. HANDLING AND STORAGE

Handling: Substance itself is not burning. Supports the inflammableness of all other inflammable substances. Avoid formation of dust; dust extraction by suction is required for procedures associated with dust formation.  
Open and handle vessels carefully.  
Storage: at +15°C to +25°C.  
hermetically sealed.  
Do not store together with: No restriction.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### Personal protective equipment

Respiratory protection: Filter P2, in case of contact with the substance.  
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: none  
pH: 6 - 8 10 g/l  
Melting point: 204 - 207 °C  
Flash point: > 150 °C

# SAFETY DATA SHEET

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## SDS, Electrophoresis Grade

Version 1.1  
Processing date 06.04.2006

Page 3/5  
Printing date 21.06.2006

Fire promoting: Substance does not have any oxidizing properties.

Density: 1,1 g/cm<sup>3</sup> at 20 °C

Miscibility with water: immiscible

Water solubility: 150 g/l at 20 °C

### 10. STABILITY AND REACTIVITY

Hazardous reactions: Reacts with reducible substances.

Hazardous decomposition products: Sulphur Oxides

### 11. TOXICOLOGICAL INFORMATION

Oral toxicity: LD50 rat 1.288 mg/kg  
Toxicity (inhalation): LC50 rat > 3.900 mg/l (1 h)  
Toxicity (skin contact): LD50 rabbit > 10.000 mg/kg  
Toxicity (others): LD50 rat intraperitoneal 210 mg/kg  
LD50 mouse intraperitoneal 250 mg/kg  
LD50 rat intraperitoneal 118 mg/kg  
LD50 mouse intraperitoneal 118 mg/kg

Harmful substance/product.  
Irritating to eyes, respiratory system and skin.

### 12. ECOLOGICAL INFORMATION

Water hazard class: 2  
Substance from Appendix 2 VwVwS.

#### Ecotoxicological effects

Toxicity to fish: LC0 Leuciscus idus 26 mg/l  
LC50 Lepomis macrochirus 4,5 mg/l (96 h)

Toxicity to bacteria: EC50 Photobacterium phosphoreum 0,46 mg/l (30 min)

Toxicity to daphnia: EC50 Daphnia magna 6 mg/l (48 h)

Value log P(o/w): 1,6  
Biodegradability: 90 % 28 d OECD 301 E

### 13. DISPOSAL CONSIDERATIONS

Waste disposal route: Can be sent to an incineration plant in accordance with local regulations (Emission of air pollutants).

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## SDS, Electrophoresis Grade

Version 1.1

Processing date 06.04.2006

Page 4/5

Printing date 21.06.2006

Disposal of empty  
packaging:

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

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### 14. TRANSPORT INFORMATION

**High Consequent Dangerous Goods:** No

#### ADR

UN 1325 Flammable solid, organic, n.o.s. (Sodium dodecylsulfate)  
4.1 II

#### IMDG

UN 1325, Flammable solid, organic, n.o.s. (Sodium dodecylsulfate)  
4.1 II  
EMS F-A ,S-G

#### IATA / ICAO Cargo

Flammable solid, organic, n.o.s. (Sodium dodecylsulfate)  
4.1 UN 1325, II, Packing instruction 417

#### IATA / ICAO Passenger

Flammable solid, organic, n.o.s. (Sodium dodecylsulfate)  
4.1 UN 1325, II, Packing instruction 415

### 15. REGULATORY INFORMATION

#### Labelling according to EC-Directives

Note: This product must be labeled in accordance with EEC directive  
67/548 and 99/45.

Hazard symbol: F Highly flammable

Xn Harmful

Warnings: R11 Highly flammable.

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## SDS, Electrophoresis Grade

Version 1.1

Processing date 06.04.2006

Page 5/5

Printing date 21.06.2006

Safety advice:	S7	Keep container tightly closed.
	S16	Keep away from sources of ignition. - No smoking.
	S22	Do not breathe dust.
	S24/25	Avoid contact with skin and eyes.
	S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	S28	After contact with skin, wash immediately with plenty of water.
	S37/39	Wear suitable gloves and eye/face protection.
	S46	If swallowed, seek medical advice immediately and show this container or label.

### National regulations

German BetriebssicherheitsVO:	Is not subject of the German regulations for flammable liquids (BetriebssicherheitsVO).
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## 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.

Special permission has been granted in accordance with EU Directive 99/45, Article 9, which permit small packages of up to 125 ml or 125 g containing materials that are harmful to health or irritant to be unlabelled with the hazard identification information given in the safety data sheet.