

# Material Safety Data Sheet

According to EC Directive 91/155/EC  
Date of print: December 2009

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## 1. Identification of the substance/preparation and of the company/undertaking

### Identification of the product

Product name: Bile Acids Standard

Product description: for the quantitative determination of total bile acids in serum.

### Manufacturer/supplier identification

Company: Dialab Produktion und Vertrieb von chemisch – technischen Produkten  
und Laborinstrumenten Ges.m.b.H

IZ-NÖ Süd, Hondastrasse, Objekt M55, A-2351 Wr. Neudorf, Austria

Contact for information: Phone: +43 (0)2236 660910-0  
FAX: +43 (0)2236 660910-30

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## 2. Composition/Information on ingredients

### Chemical characterisation

Aqueous solution

### Hazardous ingredients

ACGIH TLV

CAS

n.ap.

To the best of our knowledge, this product contains no hazardous ingredients as defined by OSHA, or WHMIS

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## 3. Toxicological properties

Route of entry/exposure

Skin contact: [x] Eye contact: [x] Inhalation: [x] Ingestion: [x] Skin absorption [x]

### Effects of acute exposure:

Skin contact: may cause irritation.

Eye contact: may cause irritation.

Ingestion: may be harmful if ingested

Inhalation: may cause irritation to mucous membranes and upper respiratory tract.

### Effects of chronic exposure:

None anticipated

### Evidence of carcinogenicity, teratogenicity, reproductive toxicity, mutagenicity:

n.av.

Sensitization to product: n.av.

Synergistic products: n.av.

LD50: n.av.

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#### 4. Emergency and first aid measures

Skin: in case of contact, immediately flush area with plenty of water.  
Eyes: immediately flush eyes with plenty of water for at least 15 minutes and get medical attention.  
Oral: if ingested drink plenty of fluids and contact a physician.  
Inhalation: if inhaled remove victim to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen, and call a physician.

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#### 5. Physical data

Physical state: liquid  
Appearance and odour: clear liquid, brownish, no distinct odour  
Odour threshold: n.av.  
Vapour pressure: n.av.  
Vapour density: n.av.  
Specific gravity: n.av.  
Evaporation rate: n.av.  
Melting point: n.av.  
Boiling point: n.av.  
Solubility in water: soluble  
pH: n.av.  
coefficient of oil/water distribution: n.av.

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#### 6. Fire and explosion hazard data

Flammable: no  
Extinguishing media: as appropriate for fire in surrounding materials.  
water, carbon dioxide, and dry chemical  
Flash point: n.ap.  
Upper flammable limit: n.ap.  
Lower flammable limit: n.ap.  
Autoignition temperature: n.ap.  
Hazardous combustion products: n.av.  
Explosion data:  
Sensitivity to mechanical impact: n.ap.  
Sensitivity to static discharge: n.ap.  
Unusual fire and explosion hazards: unknown

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#### 7. Reactivity data

Stable: Yes  
Hazardous polymerization: will not occur  
Incompatibility with other substances: n.av.  
Hazardous decomposition products: n.av.  
Leak and spill procedure: absorb leaks or spills with vermiculite or dry sand then place in a chemical waste container. Ventilate area.  
Waste disposal: in accordance with local regulations dilute with a large volume of water and dispose of into sewer system.  
Storage requirements: 2-8°C  
Shipping information: not regulated

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**8. Preventive measures**

Local exhaust:	not required
Protective clothing:	lab coat
Protective gloves:	rubber
Eye protection:	Safety glasses
Other precautions:	avoid contact and inhalation, do not get in eyes, on skin or clothing. Do not pipet by mouth. Wash contaminated clothing before reuse.
Respiratory protection:	none normally required.

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**9. Other information**

Date of issue: March 2002

The information provided on this Material Safety Data Sheet is provided in the interest of promoting safe handling of the material. While this information is believed to be correct Dialab makes no warranty in respect to any of the information disclosed. Observe all federal, provincial, state and local laws concerning health and pollution.

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