



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) No 2020/878

**Ethanol Standard FS 0,5 mg/mL, 1,0 mg/mL, 2,0 mg/mL, 3,0 mg/mL**

Material number 1 0930

Revision date: 20.12.2022

Version: 11.2

Replaces version: 11.1

Language: en-DE

Date of print: 11.12.2023

Page: 1 of 7

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

Trade name: Ethanol Standard FS 0,5 mg/mL, 1,0 mg/mL, 2,0 mg/mL, 3,0 mg/mL

As part of the kits:

1 0890 99 10 349

1 0910 99 10 349

1 0920 99 10 349

1 0930 99 10 349

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

General use: Reagent for in-vitro diagnostics in human samples  
For professional use only.

### 1.3 Details of the supplier of the safety data sheet

Company name: DiaSys Diagnostic Systems GmbH

Street/POB-No.: Alte Strasse 9

Postal Code, city: DE-65558 Holzheim

WWW: <http://www.diasys.de>

E-mail: [mail@diasys.de](mailto:mail@diasys.de)

Telephone: +49 (0) 6432-9146-0

Telefax: +49 (0) 6432-9146-32

Department responsible for information:

Corporate headquarters, Telephone: +49 (0) 6432-9146-0, Email: [mail@diasys.de](mailto:mail@diasys.de)

### 1.4 Emergency telephone number

Infraserv, Telephone: +49 (0) 69-305-6418

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

Classification according to EC regulation 1272/2008 (CLP)

This mixture is classified as not hazardous.

### 2.2 Label elements

#### Labelling (CLP)

Hazard statements: not applicable

Precautionary statements: not applicable

### 2.3 Other hazards

No risks worthy of mention.

Endocrine disrupting properties, Results of PBT and vPvB assessment:

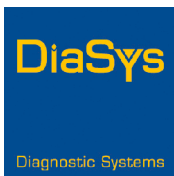
No data available

## SECTION 3: Composition/information on ingredients

3.1 Substances: not applicable

### 3.2 Mixtures

Chemical characterisation: Aqueous solution with ethanol < 1%



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) No 2020/878

**Ethanol Standard FS 0,5 mg/mL, 1,0 mg/mL, 2,0 mg/mL, 3,0 mg/mL**

Material number 1 0930

Revision date: 20.12.2022

Version: 11.2

Replaces version: 11.1

Language: en-DE

Date of print: 11.12.2023

Page: 2 of 7

Additional information: The product does not contain dangerous substances above limits that need to be mentioned in this section according to applicable legislation.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

In case of inhalation: Provide fresh air. If you feel unwell, seek medical advice.  
Following skin contact: Remove residues with water. In case of skin reactions, consult a physician.  
After eye contact: With eyelids open, wash out eyes for several minutes under flowing water. Remove contact lenses, if present and easy to do. Continue rinsing. Subsequently consult an ophthalmologist.  
After swallowing: Rinse mouth thoroughly with water. Seek medical treatment in case of troubles.

### 4.2 Most important symptoms and effects, both acute and delayed

No data available

### 4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media: Product is non-combustible. Extinguishing materials should therefore be selected according to surroundings.

### 5.2 Special hazards arising from the substance or mixture

Fires in the immediate vicinity may cause the development of dangerous vapours.

### 5.3 Advice for firefighters

Special protective equipment for firefighters:  
Wear self-contained breathing apparatus.

Additional information: No special measures are necessary.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Wear appropriate protective equipment. Avoid contact with skin and eyes. Provide adequate ventilation.

### 6.2 Environmental precautions

No special measures are necessary.

### 6.3 Methods and material for containment and cleaning up

Soak up with absorbent materials such as sand, siliceous earth, acid- or universal binder. Store in special closed containers and dispose of according to ordinance. Wash spill area with plenty of water.

### 6.4 Reference to other sections

Refer additionally to section 8 and 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advices on safe handling: Provide adequate ventilation, and local exhaust as needed. Avoid contact with skin and eyes.  
Wear appropriate protective equipment. Keep all containers, equipment and working place clean.



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) No 2020/878

**Ethanol Standard FS 0,5 mg/mL, 1,0 mg/mL, 2,0 mg/mL, 3,0 mg/mL**

Material number 1 0930

Revision date: 20.12.2022

Version: 11.2

Replaces version: 11.1

Language: en-DE

Date of print: 11.12.2023

Page: 3 of 7

## 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:

Keep containers tightly closed and at a temperature between 15 °C and 25 °C. Do not freeze.

Keep sterile.

Hints on joint storage:

Do not store together with acids or alkalis.

Keep away from food, drink and animal feedingstuffs.

Storage class:

12 = Non-combustible liquids

## 7.3 Specific end use(s)

No information available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Additional information:

Contains no substances with occupational exposure limit values.

### 8.2 Exposure controls

When aerosols and vapours form: Withdraw by suction.

### Personal protection equipment

#### Occupational exposure controls

Respiratory protection:

Provide adequate ventilation.

Hand protection:

Protective gloves according to EN 374.

Glove material: Nitrile rubber-Breakthrough time: >480 min.

Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Eye protection:

Tightly sealed goggles according to EN 166.

Body protection:

Wear suitable protective clothing.

General protection and hygiene measures:

Avoid contact with skin and eyes. Take off contaminated clothing and wash it before reuse.

When using do not eat, drink or smoke. Wash hands before breaks and after work.

### Environmental exposure controls

Refer to "6.2 Environmental precautions".

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state at 20 °C and 101.3 kPa

liquid

Colour:

clear, colourless

Odour:

no characteristic odour

Odour threshold:

No data available

Melting point/freezing point:

approx. 0 °C

Initial boiling point and boiling range:

approx. 100 °C

Flammability:

No data available

Upper/lower flammability or explosive limits:

No data available

Flash point/flash point range:

not combustible

Decomposition temperature:

No data available

pH:

at 20 °C: 7,0

Viscosity, dynamic:

at 20 °C: approx. 1,0 mPa\*s

Water solubility:

at 20 °C: soluble

Partition coefficient: n-octanol/water:

No data available



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) No 2020/878

**Ethanol Standard FS 0,5 mg/mL, 1,0 mg/mL, 2,0 mg/mL, 3,0 mg/mL**

Material number 1 0930

Revision date: 20.12.2022

Version: 11.2

Replaces version: 11.1

Language: en-DE

Date of print: 11.12.2023

Page: 4 of 7

Vapour pressure: No data available  
Density: at 20 °C: approx. 1,00 g/mL  
Vapour density: No data available  
Particle characteristics: Not applicable

## 9.2 Other information

Explosive properties: No data available  
Oxidizing characteristics: No data available  
Auto-ignition temperature: No data available  
Evaporation rate: No data available  
Additional information: No data available

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

refer to 10.3

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

No hazardous reactions known.

### 10.4 Conditions to avoid

Protect against heat /sun rays. Protect from frost.

### 10.5 Incompatible materials

Strong acids and alkalis

### 10.6 Hazardous decomposition products

No decomposition when used properly.  
Thermal decomposition: No data available

## SECTION 11: Toxicological information

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Toxicological effects: Acute toxicity (oral): Lack of data.  
Acute toxicity (dermal): Lack of data.  
Acute toxicity (inhalative): Lack of data.  
Skin corrosion/irritation: Lack of data.  
Serious eye damage/irritation: Lack of data.  
Sensitisation to the respiratory tract: Lack of data.  
Skin sensitisation: Lack of data.  
Germ cell mutagenicity/Genotoxicity: Lack of data.  
Carcinogenicity: Lack of data.  
Reproductive toxicity: Lack of data.  
Effects on or via lactation: Lack of data.  
Specific target organ toxicity (single exposure): Lack of data.  
Specific target organ toxicity (repeated exposure): Lack of data.  
Aspiration hazard: Lack of data.



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) No 2020/878

**Ethanol Standard FS 0,5 mg/mL, 1,0 mg/mL, 2,0 mg/mL, 3,0 mg/mL**

Material number 1 0930

Revision date: 20.12.2022

Version: 11.2

Replaces version: 11.1

Language: en-DE

Date of print: 11.12.2023

Page: 5 of 7

## 11.2 Information on other hazards

Endocrine disrupting properties: No data available

Other information: There are no known health risks.

## SECTION 12: Ecological information

### 12.1 Toxicity

Water Hazard Class: nwg = non-hazardous to water

### 12.2 Persistence and degradability

Further details: No data available

### 12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water:

No data available

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

No data available

### 12.6 Endocrine disrupting properties

No data available

### 12.7 Other adverse effects

General information: Do not allow to enter into ground-water, surface water or drains.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product

Waste key number: 16 05 06\* = laboratory chemicals, consisting of or containing hazardous substances, including mixtures of laboratory chemicals.

\* = Evidence for disposal must be provided.

Recommendation: Special waste. Dispose of waste according to applicable legislation.

#### Package

Waste key number: 15 01 06 = Mixed packaging of glass and plastic.

Recommendation: Dispose of waste according to applicable legislation. Non-contaminated packages may be recycled.

## SECTION 14: Transport information

### 14.1 UN number or ID number

ADR/RID, ADN, IMDG, IATA-DGR:

not applicable

### 14.2 UN proper shipping name

ADR/RID, ADN, IMDG, IATA-DGR:

Not restricted



## SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) No 2020/878

**Ethanol Standard FS 0,5 mg/mL, 1,0 mg/mL, 2,0 mg/mL, 3,0 mg/mL**

Material number 1 0930

Revision date: 20.12.2022

Version: 11.2

Replaces version: 11.1

Language: en-DE

Date of print: 11.12.2023

Page: 6 of 7

### 14.3 Transport hazard class(es)

ADR/RID, ADN, IMDG, IATA-DGR:

not applicable

### 14.4 Packing group

ADR/RID, ADN, IMDG, IATA-DGR:

not applicable

### 14.5 Environmental hazards

Dangerous for the environment: Substance/mixture is not environmentally hazardous according to the criteria of the UN model regulations.

Marine pollutant - IMDG:

no

### 14.6 Special precautions for user

No dangerous good in sense of these transport regulations.

### 14.7 Maritime transport in bulk according to IMO instruments

No data available

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

#### National regulations - Germany

Storage class: 12 = Non-combustible liquids

Water Hazard Class: nwg = non-hazardous to water

Further regulations, limitations and legal requirements:  
No data available

#### National regulations - EC member states

Further regulations, limitations and legal requirements:  
No data available

### 15.2 Chemical Safety Assessment

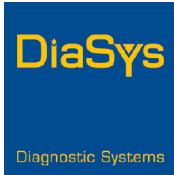
For this mixture a chemical safety assessment is not required.

## SECTION 16: Other information

Reason of change: General revision

Date of first version: 16.10.2008

Department issuing data sheet: see section 1: Department responsible for information



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) No 2020/878

**Ethanol Standard FS 0,5 mg/mL, 1,0 mg/mL, 2,0 mg/mL, 3,0 mg/mL**

Material number 1 0930

Revision date: 20.12.2022  
Version: 11.2  
Replaces version: 11.1  
Language: en-DE  
Date of print: 11.12.2023

Page: 7 of 7

Abbreviations and acronyms: ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road  
AS/NZS: Australian Standards/New Zealand Standards  
CAS: Chemical Abstracts Service  
CFR: Code of Federal Regulations  
CLP: Classification, Labelling and Packaging  
DMEL: Derived minimal effect level  
DNEL: Derived no-effect level  
EC: European Community  
EN: European Standard  
EQ: Excepted quantities  
EU: European Union  
IATA: International Air Transport Association  
IATA-DGR: International Air Transport Association – Dangerous Goods Regulations  
IBC Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk  
IMDG Code: International Maritime Dangerous Goods Code  
MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships  
OSHA: Occupational Safety and Health Administration  
PBT: Persistent, bioaccumulative and toxic  
PNEC: Predicted no-effect concentration  
RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail  
TRGS: Technical Rules for Hazardous Substances  
vPvB: Very persistent and very bioaccumulative

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.