

# EU Safety Data Sheet



According to Regulation (EU) No. 1907/2006 (REACH) and Regulation (EU) No. 453/2010  
Date of issue/revision: December 12, 2012

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

### 1.1 Identification of the substance or preparation

Iron Standard

catalogue numbers: D95306B  
D95305  
D95305V

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

General use: Reagent for in-vitro diagnostics in human samples

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

Company name: Dialab Produktion und Vertrieb von chemisch – technischen  
Produkten und Laborinstrumenten Ges.m.b.H  
Street: Hondastraße, Objekt M55, IZ-NÖ Süd  
Postal code, city, state: A-2351 Wr. Neudorf, Österreich  
World Wide Web: [www.dialab.at](http://www.dialab.at)  
E-mail: [office@dialab.at](mailto:office@dialab.at)  
Telephone: +43 (0)2236 660910-0  
Telefax: +43 (0)2236 660910-30  
Dept. Responsivle for information: +43 (0)2236 660910-0

### 1.4. Emergency telephone number

Vienna General Hospital, Toxication Centre, phone: +43-(0)1-4064343

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## 2. Hazards identification

### 2.1 Classification of the substance or mixture:

Classification according to EC regulation 1272/2008 (CLP):  
Met. Corr. 1; H290 May be corrosive to metals.

Classification according to Directive 67/548/EEC or 1999/45/EC:  
This preparation is classified as not hazardous.

### 2.2 Label elements:

Labelling (CLP):



Signal word: Warning  
Hazard statements: H290 May be corrosive to metals.  
Safety precautions: P234 Keep only in original container.  
P390 Absorb spillage to prevent material damage.

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Labelling (67/548/EWG or 1999/45/EG):

R phrase(s): Not applicable.  
S phrase(s): S 24/25 Avoid contact with skin and eyes.

### 2.3 Other hazards:

A corrosive effect cannot be ruled out because of the pH value.

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## 3. Composition / information on ingredients

3.1 Substances not applicable

### 3.2 Mixtures

Chemical characterization (preparation): aqueous solution

Hazardous ingredients:

<u>Ingredient</u>	<u>Chemical name</u>	<u>Content</u>	<u>Classification</u>
EINECS 231-595-7 CAS 7647-01-0	Hydrochloric acid	< 1 %	EU: C; R34. Xi; R37 CLP: Met.Corr. 1; H290. Skin Corr. 1B; H314 STOT SE 3; H335

Additional information:

For the wording of the listed risk phrases refer to section 16.

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## 4. First aid measures

### 4.1 Description of first aid measures

After inhalation: Move victim to fresh air, put at rest and loosen restrictive clothing. Seek medical aid in case of troubles.

In case of skin contact: Take off immediately all contaminated clothing. After contact with skin, wash immediately with plenty of water. Consult a physician.

After eye contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist.

After swallowing: Rinse mouth immediately and drink plenty of water. Do not induce vomiting. Do not try to neutralize. Seek medical attention.

### 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

No special measures are required.

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### 5. Firefighting measures

#### 5.1 Extinguishing media

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

Extinguishing media which must not be used for safety reasons  
High power water jet.

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

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

In case of fire may be liberated: Hydrochloric.

#### 5.3 Advice for firefighters

Special protective equipment for firefighters:

In case of surrounding fires: Wear self-contained breathing apparatus.

Additional information:

Hazchem-Code: 2x

Do not allow fire water to penetrate into surface our ground water.

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### 6. Accidental release measures

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

Avoid contact with skin and eyes.

#### 6.2 Environmental precautions:

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

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

Soak up with absorbent materials such as sand, siliceus 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

not applicable.

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### 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.  
Keep all containers, equipment and working place clean.

#### 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:

Keep containers tightly closed and at a temperature between +2 °C and +25 °C. Protect from light. Keep sterile.  
Unsuitable materials: metals.

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### 7.3 Specific end use(s)

Reagent for in-vitro diagnostics in human samples.

## 8. Exposure controls/personal protection

### 8.1 Control parameters

CAS-Nr.	Chemical name	Type	Limit value
7647-01-0	Hydrochloric acid	Europe: IOELV: STEL	15 mg/m <sup>3</sup> ; 10 ppm (Hydrogen chloride)
		Europe: IOELV: TWA	8 mg/m <sup>3</sup> ; 5 ppm (Hydrogen chloride)
		Austria, MAK, KZW	15 mg/m <sup>3</sup> ; 10 ppm,
		Austria, MAK, TMW	8 mg/m <sup>3</sup> ; 5 ppm,

IOELV: Indicative Occupational Exposure Limit Values

STEL: Short-term limits/excursion limits

TWA: 8-hour time-weight average

MAK: Maximale Arbeitsplatzkonzentration

TMW: Tagesmittelwert

KZW: Kurzzeitwert

### 8.2 Exposure controls

#### Occupational exposure controls

Respiratory protection: Respiratory protection must be worn whenever the exposure limit levels have been exceeded. Use filter type (E-P2) according to EN 14387.

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: Lab coat.

General protection and hygiene measures:  
Take off immediately all contaminated clothing.  
Wash hands before breaks and at the end of work.  
Provide a conveniently located eye rinse station.

## 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties:

Physical state: liquid  
Colour: colourless, clear  
Odour: odourless  
Boiling temperature/-range: approx. 100 °C  
Melting temperature/-range: approx. 0 °C.  
Flash point/-range: not combustible.  
Density: at 20 °C: 1.000 g/mL  
pH value: at 25 °C: 1.2  
Water solubility: at 20 °C: fully miscible

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### 9.2 Other information

No data available

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## 10. Stability and reactivity

### 10.1 Reactivity

May be corrosive to metals.

### 10.2 Chemical stability

Product is stable under normal storage conditions.

### 10.3 Possibility of hazardous reactions

No data available.

### 10.4 Conditions to avoid

Protect against heat/sun rays.

### 10.5 Incompatible materials

strong acids and alkalis, metals (formation of hydrogen)

### 10.6 Hazardous decomposition products

In case of fires may be liberated: Hydrochloric.

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## 11. Toxicological information

### 11.1 Information on toxicological effects

After swallowing: May cause irritations.

In case of skin contact: May cause irritations.

After eye contact: May cause irritations.

### General remarks

A corrosive effect cannot be ruled out because of the pH value.

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## 12. Ecological information

### 12.1 Toxicity

Aquatic toxicity: Harmful effects on water organisms by modification of pH-value.

### 12.2 Persistence and degradability

Further details: No data available.

### 12.3 Bioaccumulative potential

No data available.

### 12.4 Mobility in soil

No data available.

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### 12.5 Results of PBT and vPvB assessment

No data available

### 12.6 Other adverse effects

#### General information:

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

## 13. Disposal considerations

### 13.1 Waste treatment methods

#### **Product:**

#### Waste key number:

060506 = Laboratory chemicals consisting of or containing dangerous substances including mixtures of laboratory chemicals.

#### Recommendation:

Special waste. Dispose of waste according to applicable legislation.

#### **Contaminated packaging:**

#### Waste key number:

15 01 02 = Plastic packaging; 15 01 07 = Glass packaging.

#### Recommendation:

Dispose of waste according to applicable legislation. Non-contaminated containers may be recycled.

## 14. Transport information

### 14.1 UN number

#### ARD/RID, IMDG, IATA:

3264

### 14.2 UN proper shipping name

#### ARD/RID, IMDG, IATA:

UN 3264, CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Hydrochloric acid mixture)

### 14.3 Transport hazard class(es)

#### ADR/RID:

Class 8, Code: C1

#### IMDG:

Class 8, Subrisk: -

#### IATA:

Class 8

### 14.4 Packing group

#### ARD/RID, IMDG, IATA:

III

### 14.5 Environmental hazards

#### Marine Pollutant - IMDG:

No

### 14.6 Special precautions for user

#### **Land transport (ARD/RID)**

#### Warning board:

ARD/RID: Kemmler-number 80, UN-Nummer 3264

#### Hazard label:

8

#### Special provisions:

274

#### Limited quantities:

5 L

#### EQ:

E1

#### Contaminated packaging: instructions:

P001 IBC03 LP01 R001



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<u>Special provisions for packing together:</u>	MP19
<u>Portable tanks: Instructions:</u>	T7
<u>Portable tanks: special provisions:</u>	TP1, TP28
<u>Tank coding:</u>	L4BN
<u>Tunnel restriction code:</u>	E
<b>Sea transport (IMDG)</b>	
<u>EmS:</u>	F-A, S-B
<u>Special provisions:</u>	223, 274
<u>Limited quantities:</u>	5 L
<u>EQ:</u>	E1
<u>Contaminated packaging: instructions:</u>	P001, LP01
<u>Contaminated packaging: provisions:</u>	-
<u>IBC: instructions:</u>	IBC03
<u>IBC: provisions:</u>	-
<u>Tank instructions: IMO:</u>	-
<u>Tank instructions: UN:</u>	T7
<u>Tank instructions provisions:</u>	TP1, TP28
<u>Stowage and segregation:</u>	Category A. Clear of living quarters.
<u>Properties and observations:</u>	Causes burns to skin, eyes and mucous membranes.
<u>Segregation group:</u>	none
<b>Air transport (IATA)</b>	
<u>Hazard:</u>	Corrosive
<u>EQ:</u>	E1
<u>Passenger Ltd.Qty:</u>	Pack.Instr. Y841 – Max. Qty. 1 L
<u>Passenger:</u>	Pack.Instr. 852 – Max. Qty. 5 L
<u>Cargo:</u>	Pack.Instr. 856 – Max. Qty. 60 L
<u>Special Provisioning :</u>	A3 A803
<u>ERG:</u>	8L

### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No data available

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## 15. Regulatory information

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

No data available

### 15.2 Chemical Safety Assessment

No data available

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### 16. Other information

#### Further remarks

Wording of the H- and R-phrases under paragraph 2 and 3:

H-phrases: H290 = May be corrosive to metals.  
H314 = Causes severe skin burns and eye damage.  
H335 = May cause respiratory irritation.

R-phrases: R 34 = Causes burns.  
R 37 = Irritating to respiratory system.

Reason of change: General revision  
Safety data sheet according to Regulation (EC) No. 1907/2006  
Regulation (EU) No. 453/2010  
GHS-classification  
Transport information

#### Group that issues data sheet

Contact person: see section 1, department responsible for information.

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

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**Revision date:** December 12, 2012