

Trade name: IGF-I 600 ELISA  
Product number: DE4140

#### Single components with dangerous ingredients:

- **Stop Solution**  
According to Article 31 of Regulation (EC) No 1907/2006 a safety data sheet has to be provided upon request where a mixture **does not** meet the criteria for classification as hazardous but contains a substance in a concentration of  $\geq 1\%$  posing human health hazards.  
Therefore the safety data sheet is attached.
- **0.2 M HCl**  
The safety data sheet is attached.

The other single components in these products neither contain a substance in a concentration of  $\geq 1\%$  posing human health or environmental hazards; nor a substance in a concentration  $\geq 0.1\%$  that is carcinogenic category 2 or toxic to reproduction category 1A, 1B and 2, skin sensitizer category 1, respiratory sensitizer category 1, or has effects on or via lactation or is persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB)

**Therefore a safety data sheet for the other single components in the kit is not required for this product.**

#### General Precautions:

- The products are for professional laboratory use only.
- Users should have a thorough understanding of the Instructions for Use prior to their use of this kit.
- Good Laboratory Practices (GLP) should be followed to ensure the safe use and disposal of the reagents.
- Never pipet by mouth and avoid contact of reagents and specimens with skin and mucous membranes.
- Do not smoke, eat, drink or apply cosmetics in areas where specimens or kit reagents are handled.
- Wear disposable latex gloves when handling reagents

**Trade name:** Stop Solution  
**Product number:** Refer to first page

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

**1.1 Product identifier**

Trade name: Stop Solution  
Product number: Refer to first page

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

Identified Use: Reagent for in vitro laboratory use. For professional use only.

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

Demeditec Diagnostics GmbH Phone.: +49-(0)431 / 71922-0  
Lise-Meitner-Str. 2 Fax: +49-(0)431 / 71922-55  
24145 Kiel E-Mail: info@demeditec.de  
Germany http://www.demeditec.de

**1.4 Emergency telephone number**

+49-(0)431 / 71922-0 (Only available during the following office hours: 8:00 h – 16:30 h (CET))

**SECTION 2: HAZARDS IDENTIFICATION**

**2.1 Classification of the substance or mixture**

This product **does not meet the criteria for classification** in any hazard class according to Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures. However a safety data sheet is being supplied for it upon request as some kit components contain a substance which presents a health hazard within the meaning of Regulation (EC) No 1272/2008.

**2.2 Label elements**

No labelling required.

Hazard pictogram(s): None  
Signal word(s): None  
Hazard statement(s): None  
Precautionary statement(s): None

**2.3 Other hazards**

**Results of PBT and vPvB assessment**

- PBT: Not applicable.
- vPvB: Not applicable.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

**3.1 Substances**

Not applicable.

**3.2 Mixtures**

**Description:** Mixture of the substances listed below with non-hazardous additions.

**Hazardous ingredients:**

Substance name	CAS No. (EC No.) [Index No.]	Concentration in the mixture	Classification according to Regulation (EC) No 1272/2008 [CLP] (related to the concentrated form)	
			Hazard class / Hazard categories	Hazard- statement
<b>Kit component:</b> Stop Solution				
sulphuric acid ... %	7664-93-9 (231-639-5) [016-020-00-8]	< 5.0 %	Skin Corr. 1A	H314

Full text of H-phrases: see section 16

**Trade name:** Stop Solution  
**Product number:** Refer to first page

**SECTION 4: FIRST AID MEASURES**

**4.1 Description of first aid measures**

General information: If symptoms persist or in case of doubt, seek medical advice.  
 Following inhalation: Supply fresh air; consult doctor in case of complaints.  
 Following skin contact: Remove contaminated clothes and shoes.  
 Clean with water and soap. If possible, also wash with polyethylene glycol 400.  
 Cover wound with a sterile dressing.  
 If skin irritation continues, consult a doctor.  
 Following eye contact: Protect unharmed eye.  
 Rinse opened eye for several minutes under running water.  
 Call a doctor immediately.  
 Following swallowing: Rinse mouth with water.  
 Spit liquid out again.  
 Drink lots of water and provide fresh air. Call a doctor immediately.  
 Never give anything by mouth to an unconscious person

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

No further relevant information available.

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

Symptomatic treatment.

**SECTION 5: FIREFIGHTING MEASURES**

**5.1 Extinguishing media**

**Suitable extinguishing agents:**

The product is not combustible and does not support any combustion. Use fire fighting measures suiting the environment.

**For safety reasons unsuitable extinguishing agents:** No data available

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

In case of fire, the following can be released:

Sulphur oxides (SO<sub>x</sub>)  
 Poisonous gases/vapours

**5.3 Advice for firefighters**

**Protective equipment:** Wear self-contained respiratory protective device.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

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

Wear protective clothing. Avoid any product contact.

**6.2 Environmental precautions**

Do not allow product to reach sewage system or any water course.  
 Do not allow to penetrate the ground/soil.

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

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
 Rinse residues with water.  
 Make sure to recycle or dispose of in suitable receptacles.

**6.4 Reference to other sections**

See Section 7 for information on safe handling  
 See Section 8 for information on personal protection equipment.  
 See Section 13 for disposal information.

**Trade name:** Stop Solution  
**Product number:** Refer to first page

**SECTION 7: HANDLING AND STORAGE**

**7.1 Precautions for safe handling**

Ensure good ventilation/exhaustion at the workplace.

Avoid contact with eyes and skin.

Keep the working area dry and clean.

**Information about protection against explosions and fires:** Observe the general rules of industrial fire protection.

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

**Storage:**

**Requirements to be met by storerooms and receptacles:** Store container tightly sealed at a cool and dry place with sufficient ventilation.

**Information about storage in one common storage facility:** Store away from foodstuffs. Refer to national regulations for storing hazardous chemicals.

**Further information about storage conditions:** Store as directed in the relevant instruction for use.

**7.3 Specific end use(s)**

No further relevant information available.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1 Control parameters**

Following information is available for the *substance* listed in section 3.2

<b>Substance:</b>	sulphuric acid				
<b>CAS No.:</b>	7664-93-9				
	<b>Limit value - Eight hours</b>		<b>Limit value - Short term</b>		
<b>Country</b>	<b>ppm</b>	<b>mg/m<sup>3</sup></b>	<b>ppm</b>	<b>mg/m<sup>3</sup></b>	<b>Legal basis</b>
European Union		0,05 thoracic fraction			Directive 2009/161/EU
Germany (AGS)		0,1 inhalable aerosol		0,1 inhalable aerosol (1)	TRGS 900
Germany (DFG)		0,1 inhalable aerosol		0,1 inhalable aerosol (1)(2)	
Italy		0,05			
Spain		1		3	
USA - NIOSH		1			
USA - OSHA		1			
<b>Remarks</b>					
Germany (AGS)	(1) 15 minutes average value				
Germany (DFG)	(1) 15 minutes average value (2) A momentary value of 0,2 mg/m <sup>3</sup> should not be exceeded				

Source: Based on GESTIS International Limit values Database, 2016-12

**8.2 Exposure controls**

**Personal protective equipment:**

**General protective and hygienic measures:** The usual precautionary measures should be adhered to when handling chemicals. Provide eye bath and emergency shower.

**Respiratory Protection:** Not required under normal use.

**Hand Protection:** Protective gloves complying with EN 374 (nitrile rubber, Latex gloves).

The glove material has to be impermeable and resistant to the product/substance/preparation.

The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other.

Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.

**Eye Protection:** Safety glasses

**Skin Protection:** Protective work clothing, lab coat

**Trade name:** Stop Solution  
**Product number:** Refer to first page

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**9.1 Information on basic physical and chemical properties**

Appearance:	form:	liquid
	colour	colourless
Odour:		odourless
Odour threshold:		not determined
pH:		1.0
Melting point/freezing point:		not determined
Initial boiling point and boiling range:		not determined
Flash point:		not determined
Flammability (solid, gaseous):		Not applicable
Ignition temperature:		
Decomposition temperature:		Not determined
Self ignition temperature:		Product is not self-igniting.
Danger of explosion:		Product does not present an explosion hazard.
Explosion limits:		
Lower:		Not applicable
Upper:		Not applicable
Oxidizing properties:		No data available
Vapour pressure:		Not determined
Density:		Not determined
Relative density:		Not determined
Vapour density:		Not determined
Evaporation rate:		Not determined
Solubility in / Miscibility with		
Water:		Fully miscible
Partition coefficient (n-octanol/water):		Not determined
Viscosity:		Not determined

**9.2 Other information**

No further relevant information available.

**SECTION 10: STABILITY AND REACTIVITY**

**10.1 Reactivity**

No further relevant information available

**10.2 Chemical stability**

**Thermal decomposition / conditions to be avoided:** No decomposition if used and stored according to specifications

**10.3 Possibility of hazardous reactions**

Corrosive effect on metals

**10.4 Conditions to avoid**

Heat

**10.5 Incompatible materials**

Metals

**10.6 Hazardous decomposition products**

No hazardous decomposition products if instructions for storage and handling are followed.

**Trade name:** Stop Solution  
**Product number:** Refer to first page

**SECTION 11: TOXICOLOGICAL INFORMATION**

**11.1 Information on toxicological effects**

Acute toxicity

Based on available data, the classification criteria are not met.

LD/LC 50 values that are relevant for classification:

7664-93-9 sulphuric acid

Oral LD50 2140 mg/kg (rat)

Inhalative LC50/4 h 0.375 mg/L (rat)

(aerosol)

Although the LC50 values from the inhalation toxicity study theoretically trigger Classification with 'Toxic by inhalation', classification is not proposed. The effects of sulphuric acid following inhalation are entirely due to local irritation of the respiratory tract: there is no evidence for the systemic toxicity of sulphuric acid in any study as effects are limited to the site of contact. Classification for acute inhalation toxicity is not considered to be appropriate.

Skin corrosion/irritation May cause irritation to the skin.

Serious eye damage/irritation May cause irritation to the eyes.

Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

Additional toxicological information:

After swallowing: irritations of mucous membranes in the mouth, pharynx, oesophagus and gastrointestinal tract

Germ cell mutagenicity Based on available data, the classification criteria are not met.

Carcinogenicity Based on available data, the classification criteria are not met.

Reproductive toxicity Based on available data, the classification criteria are not met.

STOT-single exposure Based on available data, the classification criteria are not met.

STOT-repeated exposure Based on available data, the classification criteria are not met.

Aspiration hazard No data available

**SECTION 12: ECOLOGICAL INFORMATION**

**12.1 Toxicity**

Aquatic toxicity:

7664-93-9 sulphuric acid

EC50/48h (static) > 100 mg/l (Daphnia magna) (OECD Guideline 202)

LC50/72h (static) > 100 mg/l (Desmodesmus subspicatus) (OECD Guideline 201)

LC50/96h (static) > 16 < 28 mg/l (Lepomis macrochirus)

**12.2 Persistence and degradability**

No further relevant information available

**12.3 Bioaccumulative potential**

No further relevant information available

**12.4 Mobility in soil**

No further relevant information available

**12.5 Results of PBT and vPvB assessment**

Not applicable

**12.6 Other adverse effects**

No further relevant information available

**Trade name:** Stop Solution  
**Product number:** Refer to first page

**SECTION 13: DISPOSAL CONSIDERATIONS**

**13.1 Waste treatment methods**

**Recommendation:**

Must be recycled or disposed of according to the regulations. Waste has to be classified according to the European Waste

Catalogue based on the identification of the waste generating source.

Smaller quantities can be disposed of with household waste.

**European waste catalogue:**

- 16 00 00 WASTES NOT OTHERWISE SPECIFIED IN THE LIST
- 16 05 00 gases in pressure containers and discarded chemicals
- 16 05 06\* laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals
- 15 00 00 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED
- 15 01 00 packaging (including separately collected municipal packaging waste)
- 15 01 02 plastic packaging

**Uncleaned packagings:**

**Recommendation:** Disposal must be made according to official regulations. Packagings that cannot be cleaned are to be disposed of in the same manner as the product.

**Recommended cleansing agent:** Water; if necessary, with cleansing agents

**SECTION 14: TRANSPORT INFORMATION**

<b>14.1 UN No.</b>	ADR, ADN, IMDG, IATA	Void
<b>14.2 UN Proper shipping name</b>	ADR, ADN, IMDG, IATA	Void
<b>14.3 Transport hazard class(es)</b>	ADR, ADN, IMDG, IATA	Void
<b>14.4 Packing group</b>	ADR, IMDG, IATA	Void
<b>14.5 Environmental hazards</b>	Not applicable	
<b>14.6 Special precautions for user</b>	Not applicable.	
<b>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.	

**SECTION 15: REGULATORY INFORMATION**

This Safety Data Sheet is according to Commission Regulation (EU) 2015/830 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

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

Directive 2012/18/EU

Named dangerous substances - ANNEX I Not listed.

National regulations

Water hazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water

Further information: None of the ingredients is listed.

**15.2 Chemical safety assessment**

A Chemical Safety Assessment has not been carried out.

**Trade name:** Stop Solution  
**Product number:** Refer to first page

**SECTION 16: OTHER INFORMATION**

**"H code" used in this safety data sheet**

As mentioned in section 3 of the safety data sheet (not relevant for labelling of the product)

H314	Causes severe skin burns and eye damage.
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**Abbreviations**

- AGS            Ausschuss für Gefahrstoffe
- DFG            Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe der DFG (MAK-Kommission)
- LC50          Lethal concentration, 50 percent
- LD50          Lethal dose, 50 percent
- NIOSH        National Institute for Occupational Safety and Health of USA
- OSHA         Occupational Safety and Health Administration of USA
- TRGS         Technische Regeln für Gefahrstoffe
  
- ADR:          Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
- RID:          Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
- IMDG:        International Maritime Code for Dangerous Goods
- IATA:         International Air Transport Association



**Trade name:** 0.2 M HCl  
**Product number:** Refer to first page

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

**1.1 Product identifier**

Trade name: 0.2 M HCl  
Product number: Refer to first page

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

Identified Use: Reagent for in vitro laboratory use. For professional use only.

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

Demeditec Diagnostics GmbH	Phone.:	+49-(0)431 / 71922-0
Lise-Meitner-Str. 2	Fax:	+49-(0)431 / 71922-55
24145 Kiel	E-Mail:	info@demeditec.de
Germany	http:	//www.demeditec.de

**1.4 Emergency telephone number**

+49-(0)431 / 71922-0 (Only available during the following office hours: 8:00 h – 16:30 h (CET))

**SECTION 2: HAZARDS IDENTIFICATION**


**2.1 Classification of the substance or mixture**

**Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]**

Hazard classes and Hazard categories	Hazard Statements
Corrosive to metals, Category 1	H290

For full text of Hazard statements see SECTION 16.

**2.2 Label elements**

Hazard pictogram(s):	
Signal word(s):	Warning
Hazard statement(s):	H290
Precautionary statement(s):	P234, P390

For full text of statements see SECTION 16.

**2.3 Other hazards**

None known.

Trade name: 0.2 M HCl  
 Product number: Refer to first page

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**
**3.1 Substances**

Not applicable.

**3.2 Mixtures**
**Description:** Aqueous solution

**Hazardous ingredients:**

Substance name	CAS No. (EC No.) [Index No.]    REACH - No	Concentration in the mixture	Classification according to Regulation (EC) No 1272/2008 [CLP] (related to the concentrated form)	
			Hazard class / Hazard categories	Hazard- statement
<b>Kit component:</b>	0.2 M HCl			
Hydrochloric Acid ... %	7647-01-0 (231-595-7) [017-002-01-X]    01-2119484862-27-XXXX	< 5.0 %	Met. Corr. 1 Skin Corr. 1B STOT SE 3	H290 H314 H335

Substance does not meet the criteria for PBT or vPvB according to Regulation (EC) No 1907/2006, Annex XIII.

Full text of H-statements: see section 16

**SECTION 4: FIRST AID MEASURES**
**4.1 Description of first aid measures**

Following inhalation: Fresh air.

Following skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower.

Following eye contact: Rinse out with plenty of water

Following swallowing: Make victim drink water (two glasses at most). Consult doctor if feeling unwell.

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

Irritant effects

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

No information available.

**SECTION 5: FIREFIGHTING MEASURES**
**5.1 Extinguishing media**
Suitable extinguishing agents:

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media

For this substance/mixture no limitations of extinguishing agents are given.

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

Not combustible. Ambient fire may liberate hazardous vapours. Fire may cause evolution of: Hydrogen chloride gas

**5.3 Advice for firefighters**
Special protective equipment for firefighters

Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

Further information

Suppress (knock down) gases/vapours/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.

**Trade name:** 0.2 M HCl  
**Product number:** Refer to first page

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

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

Advice for non-emergency personnel: Avoid substance contact. Do not breathe vapours, aerosols. Evacuate the danger area, observe emergency procedures, consult an expert.

Advice for emergency responders: Protective equipment see section 8.

**6.2 Environmental precautions**

Do not empty into drains.

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

Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up with liquid-absorbent and neutralising material. Dispose of properly. Clean up affected area.

**6.4 Reference to other sections**

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 10 for material restrictions

See Section 13 for disposal information.

**SECTION 7: HANDLING AND STORAGE**

**7.1 Precautions for safe handling**

Advice on safe handling

Avoid contact with eyes and skin.

Hygiene measures

Change contaminated clothing. Preventive skin protection recommended. Wash hands after working with substance.

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

Requirements for storage areas and containers

No metal containers.

Storage conditions

Tightly closed.

Store as directed in the relevant instruction for use.

**7.3 Specific end use(s)**

No further relevant information available.

**Trade name:** 0.2 M HCl  
**Product number:** Refer to first page

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1 Control parameters**

**Derived No Effect Level (DNEL)**

*Hydrochloric Acid*

Worker DNEL, acute	Local effects	inhalation	15 mg/m <sup>3</sup>
Worker DNEL, longterm	Local effects	inhalation	8 mg/m <sup>3</sup>

**Predicted No Effect Concentration (PNEC)**

*Hydrochloric Acid*

PNEC Fresh water	0,036 mg/L
PNEC Marine water	0,036 mg/L
PNEC Aquatic intermittent release	0,045 mg/L
PNEC Sewage treatment plant	0,036 mg/L

**8.2 Exposure controls**

**Engineering measures**

Technical measures and appropriate working operations should be given priority over the use of personal protective equipment.  
 See section 7.1.

**Individual protection measures**

Protective clothing needs to be selected specifically for the workplace, depending on concentrations and quantities of the hazardous substances handled. The chemical resistance of the protective equipment should be enquired at the respective supplier.

*Eye/face protection* Safety glasses  
*Hand protection* full contact:

Glove material:	Nitrile rubber
Glove thickness:	0,11 mm
Break through time:	> 480 min

splash contact:

Glove material:	Nitrile rubber
Glove thickness:	0,11 mm
Break through time:	> 480 min

The protective gloves to be used must comply with the specifications of EC Directive 89/686/EEC and the related standard EN374, for example KCL 741 Dermatril® L (full contact), KCL 741 Dermatril® L (splash contact).

The breakthrough times stated above were determined by KCL in laboratory tests acc. to EN374 with samples of the recommended glove types.

*Other protective equipment* Protective clothing

*Respiratory protection* Required when vapours/aerosols are generated.

Recommended Filter type: filter E-(P2)

The user has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.

**Environmental exposure controls**

Do not empty into drains.

**Trade name:** 0.2 M HCl  
**Product number:** Refer to first page

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**9.1 Information on basic physical and chemical properties**

Appearance:	form:	liquid
	colour	colourless
Odour:		odourless
Odour threshold:		not applicable
pH:		< 1.0 (at 20 °C)
Melting point		No information available.
Boiling point		No information available.
Flash point		No information available.
Evaporation rate		No information available.
Flammability (solid, gas)		No information available.
Lower explosion limit		No information available.
Upper explosion limit		No information available.
Vapour pressure		No information available.
Relative vapour density		No information available.
Density		1,02 g/cm <sup>3</sup> (at 20 °C)
Relative density		No information available.
Water solubility		at 20 °C: soluble
Partition coefficient: n-octanol/water		No information available.
Auto-ignition temperature		No information available.
Decomposition temperature		No information available.
Viscosity, dynamic		No information available.
Explosive properties		Not classified as explosive.
Oxidizing properties		none

**9.2 Other information**

Ignition temperature	Not applicable
Corrosion	May be corrosive to metals.

**SECTION 10: STABILITY AND REACTIVITY**

**10.1 Reactivity**

See section 10.3

**10.2 Chemical stability**

The product is chemically stable under standard ambient conditions (room temperature).

**10.3 Possibility of hazardous reactions**

Generates dangerous gases or fumes in contact with:	Metals
Violent reactions possible with:	The generally known reaction partners of water.

**10.4 Conditions to avoid**

No information available.

**10.5 Incompatible materials**

Metals, metal alloys

**10.6 Hazardous decomposition products**

In the event of fire: See section 5.

**Trade name:** 0.2 M HCl  
**Product number:** Refer to first page

**SECTION 11: TOXICOLOGICAL INFORMATION**

**11.1 Information on toxicological effects**

**Mixture**

<i>Acute oral toxicity</i>	This information is not available.
<i>Acute inhalation toxicity</i>	This information is not available.
<i>Acute dermal toxicity</i>	This information is not available.
<i>Skin irritation</i>	Possible damages: slight irritation
<i>Eye irritation</i>	Possible damages: slight irritation
<i>Sensitisation</i>	This information is not available.
<i>Germ cell mutagenicity</i>	This information is not available.
<i>Carcinogenicity</i>	This information is not available.
<i>Reproductive toxicity</i>	This information is not available.
<i>Teratogenicity</i>	This information is not available.
<i>Specific target organ toxicity - single exposure</i>	The substance or mixture is not classified as specific target organ toxicant, single exposure.
<i>Specific target organ toxicity - repeated exposure</i>	The substance or mixture is not classified as specific target organ toxicant, repeated exposure.
<i>Aspiration hazard</i>	Based on available data the classification criteria are not met.

**11.2 Further information**

However, when the product is handled appropriately, hazardous effects are unlikely to occur. Handle in accordance with good industrial hygiene and safety practice.

**Components**

Hydrochloric Acid

Skin irritation	Rabbit Result: Corrosive OECD Test Guideline 404
Eye irritation	Rabbit Result: Irreversible effects on the eye OECD Test Guideline 405
Sensitisation	Maximisation Test (GPMT) Guinea pig Result: Does not cause skin sensitisation. Method: OECD Test Guideline 406

**Trade name:** 0.2 M HCl  
**Product number:** Refer to first page

**SECTION 12: ECOLOGICAL INFORMATION**

**Mixture**

**12.1 Toxicity**

No information available.

**12.2 Persistence and degradability**

No information available.

**12.3 Bioaccumulative potential**

No information available.

**12.4 Mobility in soil**

No information available.

**12.5 Results of PBT and vPvB assessment**

Substance(s) in the mixture do(es) not meet the criteria for PBT or vPvB according to Regulation (EC) No 1907/2006, Annex XIII, or a PBT/vPvB assessment was not conducted.

**12.6 Other adverse effects**

Additional ecological information  
 Discharge into the environment must be avoided.

**Components**

Hydrochloric Acid

*Toxicity to fish*

Lepomis macrochirus (Bluegill sunfish): 20.5 mg/L; 96 h  
 OECD Test Guideline 203

*Toxicity to daphnia and other aquatic invertebrates*

EC50: 1.3 mg/L; 48 h  
 OECD Test Guideline 202

**SECTION 13: DISPOSAL CONSIDERATIONS**

**13.1 Waste treatment methods**

**Recommendation:** Must be disposed of according to the regulations. Waste has to be classified according to the European Waste

**SECTION 14: TRANSPORT INFORMATION**

- |   |                 |
|---|-----------------|
| <b>14.1 UN No.</b>  | Void            |
| <b>14.2 UN Proper shipping name</b>   | Void            |
| <b>14.3 Transport hazard class(es)</b>  | Void            |
| <b>14.4 Packing group</b>   | Void            |
| <b>14.5 Environmental hazards</b>   | Not applicable  |
| <b>14.6 Special precautions for user</b>  | Not applicable. |
| <b>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b> | Not applicable. |

**Trade name:** 0.2 M HCl  
**Product number:** Refer to first page

**SECTION 15: REGULATORY INFORMATION**

This Safety Data Sheet is according to Commission Regulation (EU) 2015/830 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

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

*Substances of very high concern (SVHC)*

This product does not contain substances of very high concern according to Regulation (EC) No 1907/2006 (REACH), Article 57 above the respective regulatory concentration limit of  $\geq 0.1\%$  (w/w).

**15.2 Chemical safety assessment**

A Chemical Safety Assessment has not been carried out.

**SECTION 16: OTHER INFORMATION**

**Full text of H- and P-Statements used in this safety data sheet**

As mentioned in sections 2 and 3 of the safety data sheet

H290	May be corrosive to metals.
H314	Causes severe skin burns and eye damage.
H335	May cause respiratory irritation.
P234	Keep only in original container.
P390	Absorb spillage to prevent material damage.

**Abbreviations**

Met. Corr. 1 Corrosive to metals, Category 1  
 Skin Corr. 1B Skin corrosion, Category 1B  
 STOT SE 3 Specific target organ toxicity - single exposure, Category 3