

Stopping Solution

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

1.1. PRODUCT IDENTIFIER

Trade name: Stopping Solution
For all products listed in the annex

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: NovaTec Immundiagnostica GmbH
Technologie & Waldpark
Street/POB-No.: Waldstr. 23 A6
Postal Code, city: 63128 Dietzenbach
Germany
WWW: novatec-id.com
E-mail: info@novatec-id.com
Telephone: +49 (0)6074-4876-0
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Dept. responsible for information: Telephone: +49 (0)6074-4876-0
Telefax: +49 (0)6074-4876-29

1.4. EMERGENCY TELEPHONE NUMBER

Telephone: +49 (0)6074-4876-0

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.

Classification according to Directive 67/548/EEC or 1999/45/EC

This preparation is classified as not hazardous.

2.2. LABEL ELEMENTS

Labelling (CLP)

Hazard statements: not applicable
Safety precautions: not applicable

Labelling (67/548/EEC or 1999/45/EC)

R phrase(s): not applicable
S phrase(s): not applicable

Special labelling

Text for labelling: Contains Sulfuric acid 95-97%

2.3. OTHER HAZARDS

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

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SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1. SUBSTANCES: not applicable

3.2. MIXTURES

Chemical characterization: Aqueous solution

Hazardous ingredients:

Ingredient	Designation	Content	Classification
REACH 01-2119458838-20-xxxx EINECS 231-639-5 CAS 7664-93-9	Sulfuric acid	1-3 %	EU: C; R35 CLP: Met. Corr. 1; H290 Skin Corr. 1A; H314

SECTION 4: FIRST AID MEASURES

4.1. DESCRIPTION OF FIRST AID MEASURES

In case of inhalation: Provide fresh air. Seek medical treatment in case of troubles.
In case of skin contact: Take off immediately all contaminated clothing. Immediately clean with water and soap and, if available, apply a generous amount of polyethylene glycol 400. Cover with sterile dressing material to protect against infection. In case of skin reactions, consult a physician.
After eye contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently seek the immediate attention of an ophthalmologist.
After swallowing: Rinse mouth and drink large quantities of water. Never give anything by mouth to an unconscious person. Seek medical attention.

4.2. MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

After contact with skin: A corrosive effect on the skin cannot be ruled out because of the pH value.
After eye contact: A corrosive effect on the eyes cannot be ruled out because of the pH value.

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

In case of surrounding fires: Wear self-contained breathing apparatus.
Additional information: Hazchem-Code: 2X.
Do not allow fire water to penetrate into surface or ground water.

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SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Avoid contact with skin and eyes. Provide adequate ventilation. Wear personal protection equipment.

6.2. ENVIRONMENTAL PRECAUTIONS

Do not allow to penetrate into soil, waterbodies or drains.

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

7.2. CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Requirements for storerooms and containers: Store container tightly closed in a dry and cool place.
 Storage class: 8B = Non-combustible corrosive substances

7.3. SPECIFIC END USE(S)

No information available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. CONTROL PARAMETERS

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
7664-93-9	Sulfuric acid	Europe: IOELV: TWA	0.05 mg/m ³
		Great Britain: WEL-TWA	0.05 mg/m ³ (The mist is defined as the thoracic fraction)
		Ireland: 8 hours	0.05 mg/m ³

8.2. EXPOSURE CONTROLS

Provide good ventilation and/or an exhaust system in the work area.

Occupational exposure controls

Respiratory protection:

Respiratory protection must be worn whenever the WEL levels have been exceeded. Use filter type ABEK 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:

Wear suitable protective clothing.

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General protection and hygiene measures: Immediately remove any contaminated clothing, shoes or stockings. Avoid contact with skin and eyes. Wash hands before breaks and after work. Work place should be equipped with a shower and an eye rinsing apparatus.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Physical state:	liquid
Colour:	colourless
Odour:	odourless
Odour threshold:	no data available
pH value:	1.0
Melting point/melting range:	no data available
Boiling temperature/boiling range:	no data available
Flash point/flash point range:	no data available
Vapourisation rate:	no data available
Flammability:	no data available
Explosive properties:	no data available
Explosion limits:	no data available
Vapour pressure:	no data available
Vapour density:	no data available
Density:	no data available
Solubility:	no data available
Partition coefficient n-octanol/water:	no data available
Autoflammability:	no data available
Thermal decomposition:	no data available
Viscosity, dynamic:	no data available
Explosive properties:	no data available
Oxidizing characteristics:	no data available

9.2. OTHER INFORMATION

Additional information: no data available

SECTION 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 hazardous reactions known.

10.4. CONDITIONS TO AVOID

Protect from excessive heat.

10.5. INCOMPATIBLE MATERIALS

Metals

10.6. HAZARDOUS DECOMPOSITION PRODUCTS

Fires in the immediate vicinity may cause the development of dangerous vapours.
Thermal decomposition: no data available

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SECTION 11: TOXICOLOGICAL INFORMATION

11.1. INFORMATION ON TOXICOLOGICAL EFFECTS

Toxicological effects

Acute toxicity (oral):	Lack of data.
Acute toxicity (dermal):	Lack of data.
Acute toxicity (inhalative):	Lack of data.
Skin corrosion/irritation:	Inconclusive data. A corrosive effect cannot be ruled out because of the pH value.
Eye damage/irritation:	Inconclusive data. A corrosive effect cannot be ruled out because of the pH value.
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.

Symptoms

After contact with skin:	A corrosive effect on the skin cannot be ruled out because of the pH value.
After eye contact:	A corrosive effect on the eyes cannot be ruled out because of the pH value.

General remarks

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

SECTION 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

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. OTHER ADVERSE EFFECTS

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

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SECTION 13: DISPOSAL CONSIDERATIONS

13.1. WASTE TREATMENT METHODS

Product

Waste key number: 16 05 06* = Laboratory chemicals consisting of or containing dangerous substances including mixtures of laboratory chemicals.
* = Evidence for disposal must be provided.

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

Contaminated packaging

Waste key number: 15 01 02 = Plastic packaging.
Recommendation: Dispose of waste according to applicable legislation.
Non-contaminated packages may be recycled.

SECTION 14: TRANSPORT INFORMATION

14.1. UN NUMBER

Not applicable

14.2. UN PROPER SHIPPING NAME

Not applicable

14.3. TRANSPORT HAZARD CLASS(ES)

Not applicable

14.4. PACKING GROUP

Not applicable

14.5. ENVIRONMENTAL HAZARDS

Marine pollutant: No

14.6. SPECIAL PRECAUTIONS FOR USER

No dangerous good in sense of these transport regulations

14.7. TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE

no data available

SECTION 15: REGULATORY INFORMATION

15.1. SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

National regulations - Great Britain

Hazchem-Code: 2X

National regulations - USA

Hazard rating systems:



NFPA Hazard Rating:

Health: 1 (Slight)

Fire: 0 (Minimal)

Reactivity: 1 (Slight)

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HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	1
	X

HMIS Version III Rating:

Health: 1 (Slight)

Flammability: 0 (Minimal)

Physical Hazard: 1 (Slight)

Personal Protection: X = Consult your supervisor

15.2. CHEMICAL SAFETY ASSESSMENT

no data available

SECTION 16: OTHER INFORMATION

Further information

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

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

H290 = May be corrosive to metals.

H314 = Causes severe skin burns and eye damage.

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

R 35 = Causes severe burns.

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Date of issue: 20.02.2014

Version: 02

Department issuing data sheet

Contact person: see section 1: Dept. responsible for information

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

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.

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Annex

Product code	Product name
ADVA0010	Adenovirus IgA
ADVG0010	Adenovirus IgG
ADVM0010	Adenovirus IgM
ASCG0020	Ascaris lumbricoides IgG
BOPA0030	Bordetella pertussis IgA
BOPG0030	Bordetella pertussis IgG
BOPM0030	Bordetella pertussis IgM
BPTA0610	Bordetella pertussis toxin (PT) IgA
BPTG0610	Bordetella pertussis toxin (PT) IgG
BORG0040	Borrelia burgdorferi IgG
BORM0040	Borrelia burgdorferi IgM
BORG0320	Lyme Borrelia IgG
BRUG0050	Brucella IgG
BRUM0050	Brucella IgM
CANA0060	Candida albicans IgA
CANG0060	Candida albicans IgG
CANM0060	Candida albicans IgM
CCVG0630	Crimean-Congo Hemorrhagic Fever Virus (CCHVF) IgG
CCVM0630	Crimean-Congo Hemorrhagic Fever Virus (CCHVF) IgM
CHAG0560	Chagas (Trypanosoma cruzi) IgG
TRYP0570	Chagas
CHIG0590	Chikungunya Virus IgG capture
CHIM0590	Chikungunya Virus IgM μ -capture
CHLA0070	Chlamydia trachomatis IgA
CHLG0070	Chlamydia trachomatis IgG
CHLM0070	Chlamydia trachomatis IgM
CHLA0510	Chlamydia pneumoniae IgA
CHLG0510	Chlamydia pneumoniae IgG
CHLM0510	Chlamydia pneumoniae IgM
CORG0090	Corynebacterium diphtheriae toxin IgG
CORG5009	Corynebacterium diphtheriae toxin 5S IgG
PCORG009	Corynebacterium diphtheriae toxin 5S IgG plus
COX1G0600	Coxiella burnetii (Q-Fever) Phase 1 IgG
COX2G0600	Coxiella burnetii (Q-Fever) Phase 2 IgG
COX2M0600	Coxiella burnetii (Q-Fever) Phase 2 IgM
CMVG0110	Cytomegalovirus (CMV) IgG
CMVM0110	Cytomegalovirus (CMV) IgM
DENG0120	Dengue Virus IgG
DENM0120	Dengue Virus IgM
DVM0640	Dengue Virus IgM μ -capture
ECHG0130	Echinococcus IgG
ENTG0140	Entamoeba histolytica IgG
EBVG0150	Epstein-Barr Virus (VCA) IgG
EBVM0150	Epstein-Barr Virus (VCA) IgM
EBVG0580	Epstein-Barr Virus (EBNA) IgG
HELA0220	Helicobacter pylori IgA
HELG0220	Helicobacter pylori IgG
PHELA022	Helicobacter pylori IgA plus
PHELG022	Helicobacter pylori IgG plus
HSVG0250	Herpes simplex Virus 1+2 (HSV) IgG
HSVM0250	Herpes simplex Virus 1+2 (HSV) IgM
HSV1G0500	Herpes simplex Virus 1 (HSV 1) IgG

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Product code	Product name
HSV1M0500	Herpes simplex Virus 1 (HSV 1) IgM
HSV2G0540	Herpes simplex Virus 2 (HSV 2) IgG
HSV2M0540	Herpes simplex Virus 2 (HSV 2) IgM
INFA0290	Influenza Virus A IgA
INFG0290	Influenza Virus A IgG
INFM0290	Influenza Virus A IgM
INFA0300	Influenza Virus B IgA
INFG0300	Influenza Virus B IgG
INFM0300	Influenza Virus B IgM
LEGG0650	Legionella pneumophila IgG
LEGM0650	Legionella pneumophila IgM
LEIG0310	Leishmania infantum IgG
LEPG0660	Leptospira IgG
LEPM0660	Leptospira IgM
MAL0620	Malaria
MEAG0330	Measles Virus IgG
MEAM0330	Measles Virus IgM
MUMG0340	Mumps Virus IgG
MUMM0340	Mumps Virus IgM
MYCA0350	Mycoplasma pneumoniae IgA
MYCG0350	Mycoplasma pneumoniae IgG
MYCM0350	Mycoplasma pneumoniae IgM
PAIA0360	Parainfluenza Virus 1,2,3 IgA
PAIG0360	Parainfluenza Virus 1,2,3 IgG
PARG0370	Parvovirus B19 IgG
PARM0370	Parvovirus B19 IgM
RSVA0380	Respiratory syncytial Virus IgA
RSVG0380	Respiratory syncytial Virus IgG
RSVM0380	Respiratory syncytial Virus IgM
RUBG0400	Rubella Virus IgG
RUBM0400	Rubella Virus IgM μ -capture
SCHG0410	Schistosoma mansoni IgG
TAEG0420	Taenia solium IgG
TETG0430	Clostridium tetani toxin IgG
TETG5043	Clostridium tetani toxin 5S IgG
PTETG043	Clostridium tetani toxin 5S IgG plus
TICG0440	TBE / FSME IgG
PTICG044	TBE / FSME IgG plus
TICM0440	TBE / FSME IgM
TOCG0450	Toxocara canis IgG
TOXA0460	Toxoplasma gondii IgA
TOXG0460	Toxoplasma gondii IgG
TOXM0460	Toxoplasma gondii IgM μ -capture
TREG0470	Treponema pallidum
TRIG0480	Trichinella spiralis IgG
VZVA0490	Varicella-Zoster Virus (VZV) IgA
VZVG0490	Varicella-Zoster Virus (VZV) IgG
VZVM0490	Varicella-Zoster Virus (VZV) IgM
Product code	Product name
ATG1010	Anti-TG
ATPO1020	Anti-TPO
TSH1030	TSH
RFM3010	Rheumatoid Factor IgM