

**Material Safety Data Sheet – Infectious diseases I According to regulations (EC)  
 N:o 1907/2006 and (EU) N:o 453/2010**

**Declaration Concerning the Content of Dangerous Substances in Labsystems Diagnostics' products**

**Infectious diseases I**

Each component of our products listed in the table below is evaluated in accordance with the directives 1999/45/EC and 1967/548/EEC, regulations (EC) N:o 1907/2006, (EC) N:o 1272/2008 and (EU) N:o 453/2010.

Components of these products are not classified as dangerous with respect to the above mentioned regulations.

A Material Safety Data Sheet (MSDS) according to EC regulation N:o 1907/2006/EC, Article 31, had been generated for the kit component Stopping solution as it contains more than 1% sulfuric acid.

The Material Safety Data Sheet is attached as additional enclosure.

When using the kit components the general safety precautions for laboratories are sufficient. The information written in the Instructions for use has to be followed.

The information in this data sheet is to our best knowledge correct and complete and is offered in good faith as accurate. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No warranty is made, either expresses or implied.

**Infectious diseases I**

Product name	Product name abbreviation	Article number
Chlamydia pneumonia IgG EIA	CPG	6111300
Chlamydia pneumonia IgA EIA	CPA	6111310
Chlamydia pneumonia IgM EIA	CPM	6111320
Mycoplasma pneumonia IgG EIA	MPG	6111400
Mycoplasma pneumonia IgA EIA	MPA	6111410
Mycoplasma pneumonia IgM EIA	MPM	6111420
Bordetella pertussis IgG EIA	BPG	6111500
Bordetella pertussis IgA EIA	BPA	6111510
Bordetella pertussis IgM EIA	BPM	6111520
Chlamydia trachomatis IgG EIA	CTG	6111101
Chlamydia trachomatis IgA EIA	CTA	6111111

For further health and safety information please contact:

Labsystems Diagnostics Oy  
 Tiilitie 3  
 FIN-01720 Vantaa, Finland  
 Telephone +358-20-155 7530  
 Telefax +358-20-155 7521

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**SAFETY DATA SHEET**

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

**1.1 Product identifier**

Product name	Product name abbreviation	Company product code
Chlamydia pneumonia IgG EIA	CPG	6111300
Chlamydia pneumonia IgA EIA	CPA	6111310
Chlamydia pneumonia IgM EIA	CPM	6111320
Mycoplasma pneumonia IgG EIA	MPG	6111400
Mycoplasma pneumonia IgA EIA	MPA	6111410
Mycoplasma pneumonia IgM EIA	MPM	6111420
Bordetella pertussis IgG EIA	BPG	6111500
Bordetella pertussis IgA EIA	BPA	6111510
Bordetella pertussis IgM EIA	BPM	6111520
Chlamydia trachomatis IgG EIA	CTG	6111101
Chlamydia trachomatis IgA EIA	CTA	6111111

**Component of these kits: Stopping solution**

Contains  $\geq 1\%$  -  $< 5\%$  sulfuric acid

This component is also sold separately with Cat.no. 6111060

**REACH Registration number**

-

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

The uses of the chemical

For in vitro diagnostic use only.

**1.3 Details of the supplier of the Safety Data Sheet**

Street address

Tiilitie 3

Postcode and post office

FIN-01720 Vantaa

Telephone number

+358-20-155 7530

Telefax

+358-20-155 7521

E-mail address

[www.labsystemsdx.com](http://www.labsystemsdx.com)

**1.4 Emergency telephone number**

Emergency telephone in Finland: 112

Telephone number of the official advisory body in Finland: Poison information center direct 09-471997 / 09-4711.

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**SECTION 2: HAZARDS IDENTIFICATION**

**2.1 Classification of the substance or mixture**

Classification according to Regulation (EC) No 1272/2008

Not a hazardous product.

Classification according to EU Directives 67/548/EEC or 1999/45/EC

Not a hazardous product.

**2.2 Label elements**

Labelling according Regulation (EC) No 1272/2008

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Labelling according to European Directive 67/548/EEC

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**2.3 Other hazards**

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

**Hazardous ingredients according to Regulation (EC) No 1272/2008**

Substance name	CAS-, EC- or index number	REACH Registration No.	Classification	Additional information Concentration
Sulfuric acid	EINECS: 231-639-5 CAS: 7664-93-9		Met. Corr. cat. 1; Skin corr. cat. 1A, H290, H314	≥1 % - <5 %

**Hazardous ingredients according to Directive 1999/45/EC**

Substance name	CAS-, EC- or index number	REACH Registration No.	Classification	Additional information Concentration
Sulfuric acid	CAS: 7664-93-9		C; R 35	≥1 % - <5 %

**SECTION 4: FIRST AID MEASURES**

**4.1 Description of first aid measures**

**After inhalation:** Remove to fresh air and consult a doctor in case of symptoms.

**After skin contact:** Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cover irritated skin with an emollient. Get medical attention.

**After eye contact:** Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, then consult a doctor.

**After swallowing:** Wash out mouth with water, drink plenty of water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention.

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

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

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**SECTION 5: FIREFIGHTING MEASURES**

**5.1 Extinguishing media**

Product itself does not burn. Use firefighting measures that suit the environment.

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

its products of combustion or flue gases: Sulphur dioxide (SO<sub>2</sub>).

**5.3 Advice for firefighters**

In case of burning of a larger amount wear self-contained breathing apparatus and protective clothing that is appropriate for fighting a typical fire involving chemical materials. Collect contaminated firefighting water separately. It must not enter drains.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

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

Prevent contact with skin and eyes.

**6.2 Environmental precautions**

Do not allow product to reach sewage system or water bodies.

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

Absorb with liquid binding material. Use neutralizing agent or dilute with water. Afterwards clean with water and cleansing agent. Dispose of the material collected according to regulations. Ensure adequate ventilation.

Additional information: Neutralization possible with diluted sodium hydroxide solution (heat development!) or sodium carbonate or hydrogen carbonate (bubbles!)

**6.4 Reference to other sections**

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**SECTION 7: HANDLING AND STORAGE**

**7.1 Precautions for safe handling**

No special precautions necessary if used correctly.

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

Refer to the package insert or product label for additional information on storage conditions. Keep containers tightly closed. Further information about storage conditions: Keep cool (2- 8°C). Protect from heat and direct sunlight.

**7.3 Specific end use(s)**

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

**8.1 Control parameters**

**National occupational exposure limit values**

HTP (Sulfuric acid) 0,05 mg/m<sup>3</sup> /8 h  
 0,1 mg/m<sup>3</sup> /15 min

**Other limit values**

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**DNEL**

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**PNEC**

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**8.2 Exposure controls**

**Appropriate engineering controls**

Provide exhaust ventilation or other engineering control to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash facilities and a safety showers are proximal to the work-station location.

**Eye / face protection**

Protective eyeglasses recommended.

**Skin protection**

Wear appropriate protective clothing to prevent skin exposure.

**Hand protection**

Protective gloves.

**Respiratory protection**

Not required, if room is well ventilated.

**Thermal hazards**

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**Environmental exposure controls**

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**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

9.1 Information on physical and chemical properties	
Appearance	clear colourless
Odour	odourless
Odour threshold	acidic
pH	easily soluble in water
Melting point/freezing point	
Initial boiling point and boiling range	
Flash point	
Evaporation rate	
Flammability (solid, gas)	
Upper/lower flammability or explosive limits	
Vapour pressure	
Vapour density	
Relative density	
Solubility(ies)	
Partition coefficient: n-octanol/water	
Auto-ignition temperature	
Decomposition temperature	
Viscosity	
Explosive properties	
Oxidising properties	

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**9.2 Other information**

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**SECTION 10: STABILITY AND REACTIVITY**

**10.1 Reactivity**

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**10.2 Chemical stability**

The product is stable.

**10.3 Possibility of hazardous reactions**

Reactive with oxidizing agents, combustible materials, organic materials, metals, acids, alkalis.

**10.4 Conditions to avoid**

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**10.5 Incompatible materials**

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**10.3 Hazardous decomposition products**

Hydrochloric acid and chlorine may be formed during thermal decomposition.

**SECTION 11: TOXICOLOGICAL INFORMATION**

**11.1 Information on toxicological effects**

**Acute toxicity**

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**Skin corrosion/irritation**

Slight irritations

**Serious eye damage/irritation**

Slight irritations

**Respiratory or skin sensitisation**

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**Germ cell mutagenicity**

-

**Carcinogenicity**

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**Reproductive toxicity**

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**STOT-single exposure**

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**STOT-repeated exposure**

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**Aspiration hazard**

-

**Other information**

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<b>SECTION 12: ECOLOGICAL INFORMATION</b>	
<b>12.1</b>	<b>Toxicity</b> Not available.
<b>12.2</b>	<b>Persistence and degradability</b> -
<b>12.3</b>	<b>Bioaccumulative potential</b> Low bioaccumulation potential.
<b>12.4</b>	<b>Mobility in soil</b> -
<b>12.5</b>	<b>Results of PBT and vPvB assessment</b> -
<b>12.6</b>	<b>Other adverse effects</b> -
<b>SECTION 13: DISPOSAL CONSIDERATIONS</b>	
<b>13.1</b>	<b>Waste treatment methods</b> In general laboratory waste is under the special supervision of the authorities. Refer to applicable local regulations. The disposal of liquid effluents should be carried out according to the existing local laws and the existing local regulation governing water pollution.
<b>SECTION 14: TRANSPORT INFORMATION</b>	
Not subject to transport regulation.	
<b>14.1</b>	<b>UN number</b> -
<b>14.2</b>	<b>UN proper shipping name</b> -
<b>14.3</b>	<b>Transport hazard class(es)</b> -
<b>14.4</b>	<b>Packing group</b> -
<b>14.5</b>	<b>Environmental hazards</b> -
<b>14.6</b>	<b>Special precautions for user</b> -
<b>14.7</b>	<b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b> -
<b>SECTION 15: REGULATORY INFORMATION</b>	
<b>15.1</b>	<b>Safety, health and environmental regulations/legislation specific for the substance or mixture</b> -
<b>15.2</b>	<b>Chemical safety assessment</b> -

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**SECTION 16: OTHER INFORMATION**

**Indication of changes**

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**Abbreviations and acronyms**

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**Key literature references and sources for data**

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**Used method in evaluating classification**

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**List of relevant R- phrases and H-statements**

**Full text of H-Statements referred to under section 3.**

H290 May be corrosive to metals

H314 Causes severe skin burns and eye damage

Met. Corr. Corrosive to metals

Skin Corr. Skin corrosion

**Full text of R-phrases referred to under section 3.**

C Corrosive

R35 Causes severe burns

**Training advice for workers:** It is recommended to train the laboratory employees before use of this preparation.

**Instructions for use:** Each kit contains instructions for use.

**Sources of key data used to compile the Material Safety Data Sheet:** The collected information is based on the directives 1999/45/EC and 67/548/EEC, regulations (EC) No 1907/2006, (EC) No 1272/2008 and (EU) No 453/2010 and the material safety data sheet for H<sub>2</sub>SO<sub>4</sub>.

**The date of issue of the Material Safety Data Sheet: 17.2.2015**

The information and recommendations above are believed to be accurate and represents the best information currently available for us, but shall not be taken as be all inclusive and shall be used only as a guide. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. All chemicals and preparations may present unknown hazards and should be used with caution. It is user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this data sheet shall be constructed as a permission or recommendation for the use of any product in a manner that might infringe existing patents. Not warranty is made, either expresses or implied.