

Material Safety Data Sheet - Infectious diseases I According to 1907/2006/CE

1. Identification of Substance/Preparation and of the company

IDENTIFICATION OF THE SUBSTANCE OR PREPARATION

Product name	Product name abbreviation	Cat.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

Component of these kits: Stopping solution

Contains more than 1% sulfuric acid

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

Application of the substance /preparation: For in vitro diagnostic use only

IDENTIFICATION OF THE COMPANY

Manufacturer: Ani Labsystems Ltd. Oy

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Emergency telephone in Finland: 112

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

2. Composition/information on Components

Description: Water based solution containing sulfuric acid

Name of ingredient for preparation not classified as dangerous: H₂SO₄ Sulfuric acid

Concentration range: 1-5%

Ingredient classification: Sulfuric acid >15% C; R35 (R phrase are listed to section 16.)

EINECS: 231-639-5

CAS: 7664-93-9

3. Hazards Identification

Stopping solution is not classified as dangerous according directives 1999/45/EC and 1967/548/EC due to the concentration < 5%

Preparation classification: -

Information pertaining to particular dangers for human health and environment: The product has not to be labeled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version

H2SO4 (Sulfuric acid)

No risk available for the concentration used, however, the concentration in the preparation is higher than 1 % (article 31 from 1907/2006/CE).

4. First Aid Measures

General information: No special measures required

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.

5. Fire Fighting Measures

Suitable extinguishing agents: Product itself does not burn. Use fire fighting measures that suit the environment.

Special hazards caused by the material, its products of combustion or flue gases: Sulphur dioxide (SO₂)

Protective equipment: 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.

Additional information: Collect contaminated fire fighting water separately. It must not enter drains.

6. Accidental Release Measures

Person-related safety precautions: Prevent contact with skin and eyes.

Measures for environmental protection: Do not allow product to reach sewage system or water bodies.

Measures for cleaning/collecting: 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!)

7. Handling and Storage

Handling:

Information for safe handling: No special precautions necessary if used correctly.

Information about protection against explosions and fires: No special measures required.

Storage:

Requirements to be met by storerooms and containers: 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.

8. Exposure Controls and Personal Protection

Additional information about design of technical systems: No further data; see item 7.

Components with critical values that require monitoring at the work place: Sulfuric acid, CAS 7664-93-9.

Additional information:

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.

Personal Protective Equipment:

General protective and hygienic measures: The usual precautionary measures should be adhered to in handling the Chemicals. Avoid contact with eyes and skin. Instantly remove any soiled and impregnated garments. Do not eat or drink while working. Keep away from foodstuff, beverages and food. Wash hands during breaks and at the end of work.

Breathing equipment: Not required, if room is well ventilated.

Protective of hands: Protective gloves.

Eyes: Recommended protective eyeglasses

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Exposure Limits:

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Sulfuric acid	(1 mg/m ³) TWA; (3 mg/m ³) STEL	1 mg/m ³ TWA 15 mg/m ³ IDLH	1 mg/m ³ TWA

Consult local authorities for acceptable exposure limits

9. Physical and Chemical Properties

Physical State: Liquid

Appearance: clear colorless

Odor: odorless

pH: Acidic

Solubility: Easily soluble in water

Other information: The other physical and chemical properties of Stopping solution, have not been investigated.

10. Stability and Reactivity

Stability: The product is stable

Conditions to be avoided: No decomposition if used according to specifications.

Potential dangerous reactions:

Stop Solution

- Reactive with oxidizing agents, combustible materials, organic materials, metals, acids, alkalis.
- Hydrochloric acid and chlorine may be formed during thermal decomposition.

11. Toxicological Information

Route of entry: Absorbed through skin. Dermal contact. Eye contact. Inhalation.

Acute toxicity: -

Primary irritant effect:

Skin: Slight irritations

Eyes: Slight irritations

Further data: The product should be handled with care like usual when dealing with chemicals.

12. Ecological Information

Ecotoxicity: Not available

Behavior in environmental systems:

Mobility and bioaccumulation potential: Low bioaccumulation potential.

Further data: Slightly hazardous for water. The products of degradation are less toxic than the product itself.

13. Disposal Considerations

General notes: 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.

14. Transport Information

Land transport ADR/RID and GGVS/GGVE(cross-border/domestic)

- ADR/RID-GGVS/E Class: -
- Remarks: not restricted

Marine transport IMDG/GGVSea

- IMDG/GGV Sea Class: -
- Marine pollutant: No

Air transport ICAO-TI and IATA-DGR:

- ICAO/IATA Class: -
- Remarks: not restricted

Additional information: Because of small volume and concentration, no classification as dangerous goods according to above regulations.

15. Regulatory Information

Name of the ingredient: Sulfuric acid

R-phrases: (H₂SO₄ >15%) R35

S-phrases: -

16. Other Information

List of used Risk-phrases and safety-phrases:

R-phrases: R35 Cause severe burns

S-phrases: -

Training advice: It is recommended to train the laboratory employees before use of this product.

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 1907/2006/CE, 1999/45/EC and 1967/548/EC as well as to the Finnish "Vaarallisten aineiden luettelo" (ordinance on dangerous chemicals and preparations) and material safety data for H₂SO₄.

The date of issue of the Material Safety Data Sheet: 18.3.2009/TVi

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.

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