 Ges.f. biol.-immunol. Nachweisverfahren mbH	Material Safety Data Sheet (MSDS) According to 91/155/EWG		Polycheck Allergy-Test (in vitro- Diagnosticum)
	issued: 15. May 2004	certified: Dr. E. Michels	proved: J. Meyer
changed: N/A			

1. Identification of substance and manufacturer/supplier

Product name: Polycheck Allergie Test

Manufacturer/Supplier: BioCheck GmbH
 Vorbergweg 41, D 48159 Muenster (Deutschland)
 Telefon: 0251-2150-869, Telefax: 0251-2150-870
 E-mail: office@polycheck.de
 Internet: <http://www.biocheck.de>

 Emergency call: see your local poison information center

2. Composition / Data on components


Description:

for in vitro diagnostic use; Test-Kit

Component	Contents	Hazards	Conc.	Classific.	Risk phrase
MAPC	Biotinylated antibody in phosphate-buffered saline (pH 7,4)	none			
MEPC	Streptavidin-conjugate with alkaline phosphatase in phosphate-buffered saline (pH 7,4)	none			
MBPS	BCIP-substrate in water solution (pH 10,0)	yes	<1%	Xn	R20/22-36/37/38
MWBPC	Tween20-detergent and powder for phosphate-buffered saline (pH 7,4)	yes	Powder	Xn	R36/37/38
MCxPC	Chip card with cellulose membrane carrying natural substances (allergens) with humidity adsorbent (x=different Allergen compositions)	none			
MSPC	Protein in Phosphate-buffered saline (pH 7,4)	none			

Additional information:

MBPS:	CAS-No. 6578-06-9	5-Brom-4-chlor-3-indolylhydrogenphosphat-p-toluidin	(<1%)
	CAS-No. 298-83-9	5,5'-diphenyl-3,3'-bis(4-nitrophenyl)-2,2'-(3,3'-dimethoxydiphenyl-4,4'-xylene-ditetrazoliumchlorid)	(<1%)
MWBPC:	no CAS-No.		

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<p align="center">changed: N/A</p>	<p align="center">Dr. E. Michels</p>	<p align="center">J. Meyer</p>	<p align="center">I. Claes</p>

3. Hazard Information

Hazard description: Xn **hazardous, low toxicity**

Information concerning to particular hazards to man and environment:

Risk phrase	Description
R20/22	Harmful when inhaling or swallowing
R36/37/38	Irritant to eyes, respiratory pathways and skin

Classification system: The classification is according to the latest editions of the EU lists and extended by company and literature data.

4. First aid measures

General information: none

after inhalation: remove to fresh air; in case of accident or persisting discomfort, obtain medical attention

after skin contact: wash thoroughly with soap and water


after eye contact: irrigate with copious amounts of water; displace contact lenses and in case of heavy irritations ask for medical attention

after swallowing: in case of discomfort ask for medical attention

5. Fire fighting measures

Extinguishing Media: foam, dry chemical powder, carbon dioxide, water spray

Special protective equipment for fire fighting: no special measures required

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6. Accidental release measures

Person-related safety precautions:

not required

Measures for environmental protection:

not required

Measures for cleaning / collecting:

Absorb with liquid-binding material (san, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to item 13.

7. Handling and storage

Handling

Information for safe handling:

no special measures required

Information about fire and explosion protection:

no special measures required

Storage

Requirements to be met by storage rooms and receptacles:

no special measures required

Information about storage in one common storage facility:


not required

Further information about storage conditions:

not required

Class according to regulation on flammable liquids:

not applicable

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8. Exposure controls and personal protection gear

Additional information about design to technical facilities: not required

Ingredients with limit values that require monitoring at the workplace:

Ingredient	Concentration	Minimal value (Germany)
none		

Additional information:

The data valid at the time of preparation were used as a basis.

Personal protective equipment

General protective and hygiene measures:

Keep away from foodstuff and beverages.
Wash hands before breaks and at the end of the working day.

Respiration protection:

not recommended in rooms with access to fresh air when applied appropriately


Protection of hands:

Wearing of protective gloves is recommended.

Eye protection:

not recommended in appropriate applications


9. Physical and chemical properties

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Form:	liquid, resp. powder (see also point 2)
Colour:	Liquid: colourless; Powder: white
Odour characteristics:	no odour
Melting point / range:	N/A
Boiling point / range:	N/A
Ignition temperature:	N/A
Self ignition:	N/A
Flash point:	N/A
Danger of explosion:	product does not present an explosion hazard
Explosion limits:	N/A
Relative vapour density 20°C:	N/A
Density at 20°C:	N/A
Solubility in water at 20°C:	N/A

10. Stability and reactivity

Thermal decomposition conditions to be avoided:	no decomposition if used according to specifications.
Dangerous reactions:	no dangerous reactions known.
Dangerous decomposition products:	no dangerous decomposition products known

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11. Toxicological information

Acute toxicity

Primary irritant effect

on the skin:

no irritant effect

on the eye:

no irritant effect

Sensitization:

no sensitization effects known

Additional toxicological information:

The products shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version: none

12. Ecological information

General notes:

class 1 risk for water (defined by german law).
Normal disposal with copious amounts of water; observe all federal, state and local environmental regulations


13. Disposal information

Product - Recommendation:

Disposal must be made according to official regulations; can be composed together with household garbage.

Uncleande packaging - Recommendation:

Disposal must be made according to official regulations.

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14. Transport information

**Land transport ADR-RID und GGVS/GGVE
(international/national):**

no constrains

Maritime transport IMDG/GGVSee:

no constrains

Air transport ICAO-TI and IATA-DGR:

no constrains

15. Regulations

Labeling according to EC Directives:

The product has been classified and marked in accordance with EU Directives/Ordinance on Hazardous Material.

Code letter and hazard designation of product:

Hazard determining:

Risk (R) phrases:

Safety (S) phrases:

National Regulations

Classification according to VbF:

N/A

Immision hazard class:

N/A

Water hazard class:

WGK 1

16. Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship

Material Safety Data Sheet issued by:

Ingeborg Claes

Date of issue of the Material Safety Data Sheet:

May, 15th 2004