

1.) Identification of the substance/preparation and company

Product details

Trade name

EndoLISA®

EndoLISA, 192 tests

Cat. No.

609033

Use

For laboratory and research use only. Not for use in diagnostic procedures.

Identification of the supplier:

Address

Hyglos GmbH
Am Neuland 3
82347 Bernried, Germany

Tel. +49 (0)8158 9060 0

Fax. +49 (0)8158 9060 210

Identification of the manufacturer:

Address

MicroCoat GmbH
Am Neuland 3
82347 Bernried, Germany
Tel. +49 (0)8158 9060 0

Emergency telephone number

+49 (0)8158 9060 0 (8.00 am - 5.00 pm)

Centre of Detoxification: Mainz +49-6131-232466 or -232467 / Munich +49-89-19240

2.) Composition / information on ingredients

Chemical characterization

All liquid reagents are clear solution in water and soluble in water. pH range 5-9. Cups and bottles are made of PP or PE (recycling). Microtiter Plate: Polystyrene black. Cover Foils: PP. Packaging material: Paper

Azide	EC No. 247-852-1	Index no.: 011-004-00-7	CAS no.: 26628-22-8
Concentration	<0.05 %-b.w.		
Classification	R28/R32	S28.1/S45	
Hazard symbols	T+, N		

Tris	EC No 214-684-5	Index no.: -	CAS no.: 1185-53-1
Concentration	<5 %-b.w.		
Classification	R36/37/38	S 26-37/39	
Hazard symbols	Xi		

Imidazol	EC No. 206-019-2	Index no.: -	CAS no 288-32-4
Concentration	<1 %-b.w.		
Classification	R 22-34-63	S 22-26-36/37/39-45	

LPS O55:B	EC no. -	Index no. -	CAS no. -
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Not a dangerous substance according to GHS and not classified as dangerous in Directive 67/549/EEC

Definitions:

C=Corrosive E=Explosive F=Flammable Xn=Harmful Xi=Irritant N=dangerous for environment O=Oxidizer B= Biohazard R=Reproductive T=Toxic T+=Highly Toxic

Components

1	EndoLISA® Plate	two peaces	Solid MicroPlate	labelling not required
	contains no hazardous substances in concentrations to be declared			
2	Water (endotoxin-free)	two bottles,	Water	labelling not required
3	Binding Buffer (6x)	two bottles	Tris-Buffer	labelling not required
	contains no hazardous substances in concentrations to be declared			
4	Endotoxin Standard	two bottles	Tris-Buffer/Endotoxin	labelling not required
5	Wash Buffer two bottles	Tris-Buffer		labelling not required
	contains no hazardous substances in concentrations to be declared			
6	Enzyme	one bottle	BSA/Water	labelling not required
	contains no hazardous substances in concentrations to be declared			
7	Substrate	one bottle	Water	labelling not required
	contains no hazardous substances in concentrations to be declared			
8	Assay Buffertwo bottles	Imidazol-Buffer		labelling not required
	contains no hazardous substances in concentrations to be declared			
9	Cover Foil	two pieces	Solid	labelling nor required
	contains no hazardous substances in concentrations to be declared			

3.) Hazards identification

Particular information pertaining specific risk for human / environment

The product does not require a hazard warning label in accordance with Directive 99/45/EC; please observe the information's given in this safety data sheet.

4.) First aid measures

General information

In case of persisting adverse effects consult a physician. Remove contaminated clothing and shoes immediately, and clean thoroughly before reusing

After inhalation

Let the affected person breath fresh air.

After skin contact

Wash off immediately with water.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.), seek medical advice

After ingestion

Seek medical advice immediately. Never give anything by mouth to an unconscious person. If individual is drowsy or unconscious, place in recovery position (on left side, with head down). Rinse nose, mouth and throat with water. Get medical attention if any discomfort continues. Show this MSDS to the physician.

5.) Firefighting measures

Suitable extinguishing media

Product itself is non-combustible; adapt fire extinguishing measures to surrounding areas

Special exposure hazards arising from the substance or preparation itself, its combustion products or from resulting gases

None known.

Special protective equipment for fire fighting

Use self-contained breathing apparatus. Wear protective clothing.

6.) Accidental release measures**Personal precautions**

Refer to protective measures listed in sections 7 and 8. Ensure adequate ventilation.

Environmental precautions

Do not discharge into the drains / surface waters / groundwater.

Methods for cleaning up / taking up

Pick up with absorbent material (e.g. sand, sawdust, general-purpose binder). Send in suitable containers for recovery or disposal.

7.) Handling and storage**Handling****Advice on safe handling**

No special handling necessary. Follow the specific instructions in the package insert of EndoLISA®.

Advice on protection against fire and explosion

No special measures necessary.

Storage**Requirements for storage rooms and vessels**

Containers which are opened must be carefully resealed and kept upright to prevent leakage. Always keep in containers of same material as the original one.

Advice on storage assembly

Store separately from foodstuffs.

Further information on storage conditions

Keep container tightly closed in a cool, well-ventilated place.

Recommended storage temperature

Value 2 - 8 °C

8.) Exposure controls / personal protection

See 2

Personal protective equipment**Respiratory protection**

If workplace exposure limits are exceeded, a respirations protection approved for this particular job must be worn. In case of aerosol and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified.

Respiratory protection not required

Hand protection

Wear protective gloves (EN 374).

Eye protection

Safety glasses (EN 166)

Skin protection

Clothing as usual in the chemical industry (labcoat gloves).

General protective and hygiene measures

Follow standard laboratory practice.

9.) Physical and chemical properties

Liquid reagents: All liquid reagents are clear solution in water and soluble in water. pH range 6-9.

Cups and bottles are out of PP or PE (recycling)

Plate: Polystyrene black; Cover Foils: PP; Packaging material: Paper

10.) Stability and Reactivity**Conditions to avoid**

None known

Thermal decomposition

Remarks No decomposition if used as prescribed.

11.) Toxicological information**Experience in practice.**

Imidazol	L D 50 oral	Rat 970 mg/kg	
TRIS	LD 50 oral	Rat 5900 mg/kg	
Azide	LD 50 oral	Rat 27 mg/kg	LC50 = 0.8-1.6 mg/L (fish)

12.) Ecological information**General information / ecology**

For components which are dangerous for the environment see section 2.

13.) Disposal considerations**Product**

Waste disposal must be in accordance with appropriate Federal, State and local regulations

Packaging

Empty and dispose according to appropriate Federal, State and local regulations

14.) Transport information**Other information (chapter 14.)**

The product does not constitute a hazardous substance in national / international road, rail, sea and air transport

15.) Regulatory information

Labelling in accordance with EC directives

The product does not require a hazard warning label in accordance with EC Directives. Classification according to the calculation procedure of the Preparations Directive 1999/45/EC.

Council Directive 96/82/EC on the control of major-accident hazards involving dangerous substances

Remarks Annex I, part 1 + 2: not mentioned. With regard to possibly appropriate decomposition products see Chapter 10.

16.) Other information

Sources of key data used to compile the data sheet

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding chapter.

EC Directive 67/548/EC resp. 99/45/EC as amended in each case.

EC Directive 2001/58/EC as amended in each case.

EC Directive 2000/39/EC as amended in each case.

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

Warranty

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