

Trade Name: EndoTrap red

Version: 04/19 EU

Status: 17.04.2019

Date of printing: 17.04.2019

## 1.) Identification of the substance/preparation and company

### Product details

Trade name

**EndoTrap red**

<b>EndoTrap red 1/1</b>	<b>Cat. No.</b>	<b>LET0001</b>
<b>EndoTrap red 5/1</b>	<b>Cat. No.</b>	<b>LET0002</b>
<b>EndoTrap red 5</b>	<b>Cat. No.</b>	<b>LET0033</b>
<b>EndoTrap red 10</b>	<b>Cat. No.</b>	<b>LET0003</b>
<b>EndoTrap red 50</b>	<b>Cat. No.</b>	<b>LET0004</b>

red

### Use

For research use only.

### Identification of the manufacturer / supplier

#### Address

LIONEX GmbH  
Salzdahlumer Str. 196, Geb. 1A  
38126 Braunschweig, Germany

Tel. +49 (0)531 – 260 12 66

Fax. +49 (0)531 – 618 06 54

#### Information provided by / telephone

+49 (0)531 – 260 12 66

#### Emergency telephone number

+49 (0)531 – 260 12 66 (8.00 am - 4.00 pm)

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

## 2.) Composition / information on ingredients

### Chemical characterization

Aqueous suspension; chromatography resin for endotoxin removal.

ECno. 247-852-1 Index no.: 011-004-00-7 CAS no.: 26628-22-8

Concentration &lt; 0,05 %-b.w.

Classification T+; R28 N; R50/53 R32

Hazard symbols T+, N R phrases 28-32-50/53

## 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; But 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 launder thoroughly before reusing

### After inhalation

Remove affected person from the immediate area. Ensure supply of fresh air.

### After skin contact

Wash off immediately with soap and water.

### After eye contact

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

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## 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).

## 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

Ensure adequate ventilation.

#### 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 the foodstuffs separately.

#### Further information on storage conditions

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

#### Recommended storage temperature

Value 4 - 8 °C

## 8.) Exposure controls / personal protection

### Exposure limit values

#### sodium azide

CAS no. 26628-22-8

EC no. 247-852-1

#### 2000/39/EWG

Sodium azide

TWA 0,1 mg/m<sup>3</sup>

# Material Safety Data Sheet



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STEL	0,3	mg/m <sup>3</sup>
Skin resorption / sensibilisation	Skin	
<b>Occupational Exposure</b>	<b>Standards (OESs) / EH</b>	
Sodium azide NaN <sub>3</sub>		
TWA	<b>0,1</b>	mg/m <sup>3</sup>
STEL	<b>0,3</b>	mg/m <sup>3</sup>
Skin resorption / sensibilisation	Sk	

## 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.

### Hand protection

In case of intensive contact wear protective gloves (EN 374).

### Eye protection

Safety glasses (EN 166)

### Skin protection

Clothing as usual in the chemical industry.

## General protective and hygiene measures

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Avoid contact with eyes and skin. Remove soiled or soaked clothing immediately. Wash hands before breaks and afterwork.

## 9.) Physical and chemical properties

### General information

Form	Suspension
Colour	white

### Important health, safety and environmental information

#### Changes in physical state

Type	Boiling point
Value	appr. 100 °C
Pressure	1013 mbar

#### Density

Value	no data available
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#### Solubility in water

Remarks	insoluble
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#### pH value

Value	7,5
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## 10.) Stability and Reactivity

### Conditions to avoid

None known

### Thermal decomposition

Remarks No decomposition if used as prescribed.

## 11.) Toxicological information

### Experience in practice.

Product specific toxicological data are not available.

Immunomodulatory / cytotoxicity data are available for:

- Immunomodulatory properties in cultures of murine splenocytes  
(Under the reported conditions EndoTrap antigens revealed no detectable pyrogenic and mitogenic properties to activate the innate immune system)
- Tests for cytotoxicity in vitro-methods DIN ISO 10993-5  
(Under the reported conditions EndoTrap antigens revealed no detectable cytotoxic effects in cultures of murine L929 fibroblasts and splenic cells)

## 12.) Ecological information

### General information / ecology

Do not discharge into the drains or waters and do not store on public depositories. There are no data available on the preparation itself. For components which are dangerous for the environment see section 2.

## 13.) Disposal considerations

### Product

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

### Packaging

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

Packaging that cannot be cleaned should be disposed of in agreement with the regional waste disposal company.

## 14.) Transport information

### RID/ADR

Non-hazardous for road transport.

### IMDG

Non-hazardous for sea transport.

### IATA

Non-hazardous for air transport.

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## 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.

### Relevant R-phrases (chapter 2)

28 Very toxic if swallowed.

32 Contact with acids liberates very toxic gas.

50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### Department issuing safety data sheet

UMCO Umwelt Consult GmbH

Georg-Wilhelm-Str. 183 b, D-21107 Hamburg

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