

Material Safety Data Sheet

Printing date 09/08/2007

Reviewed on 09/06/2007

1 Identification of substance:

- **Product details:**
- **Trade name:** Lyphochek Fertility Control, Level 3
- **Catalog or product number:** 483
- **Application of the substance / the preparation** In-vitro laboratory reagent or component
- **Manufacturer/Supplier:**
Bio-Rad Laboratories, Diagnostic Group
9500 Jeronimo Road
Irvine, California 92618-2017
- 1(949) 598-1200
- **Information department:** Technical services, customer support.
- **Emergency information:**
1(800) 424-9300 Use only in the event of a CHEMICAL EMERGENCY involving a SPILL, LEAK, FIRE, EXPLOSION, or ACCIDENT.

2 Composition/Information on components:

- **Chemical characterization:**
- **CAS No. Description:**
Human Source Material
- **Identification number(s):**
- **EINECS Number:** 268-338-3
- **Additional information:**
Contains human sourced and/or potentially infectious components.
Contains constituents of animal origin.

3 Hazards identification

- **Emergency overview:** not applicable
- **Routes of exposure:**
Ingestion
Inhalation
Skin
- **Information pertaining to particular dangers for man and environment** not applicable
- **Classification system**
- **OSHA hazard ratings**
- **Health** 0: Minimal Hazard.
- **Fire** 0: Minimal hazard.
- **Reactivity** 0: Minimal hazard.
- **Special hazards** Contains human sourced and/or potentially infectious components.

4 First aid measures

- **General information** No special measures required.
- **After inhalation** Supply fresh air; consult doctor in case of complaints.
- **After skin contact**
Immediately wash with water and soap and rinse thoroughly.
Generally the product does not irritate the skin.
- **After eye contact** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing** Rinse mouth with water. Seek medical attention and appropriate follow-up.

(Contd. on page 2)

QUS

Material Safety Data Sheet

Printing date 09/08/2007

Reviewed on 09/06/2007

Trade name: *Lyphochek Fertility Control, Level 3*

(Contd. of page 1)

- **Information for doctor**
- **The following symptoms may occur:**
 - Skin irritation
 - Eye irritation

5 Fire fighting measures

- **Suitable extinguishing agents** CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Person-related safety precautions:** Handle as potentially infectious.
- **Measures for environmental protection:**
 - Keep contaminated washing water and dispose of appropriately.
 - Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**
 - Absorb liquid components with liquid-binding material.
 - Pick up mechanically.
 - Clean the affected area carefully; suitable cleaners are:
 - Disinfectant
 - Dispose contaminated material as waste according to item 13.
- **Additional information:** No dangerous substances are released.

7 Handling and storage

- **Handling**
 - **Information for safe handling:** No special precautions are necessary if used correctly.
 - **Information about protection against explosions and fires:** No special measures required.
- **Storage**
 - **Requirements to be met by storerooms and receptacles:** According to product specification
 - **Information about storage in one common storage facility:** Not required.
 - **Further information about storage conditions:** None.

8 Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Components with limit values that require monitoring at the workplace:** Not required.
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Personal protective equipment**
 - **General protective and hygienic measures**
 - Follow the usual biosafety practices for handling potentially infectious materials.
 - The usual precautionary measures for handling chemicals should be followed.
 - **Protection of hands:** Protective gloves.
 - **Material of gloves** Synthetic gloves
 - **Penetration time of glove material**
 - The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

(Contd. on page 3)

QUS

Material Safety Data Sheet

Printing date 09/08/2007

Reviewed on 09/06/2007

Trade name: *Lyphochek Fertility Control, Level 3*

(Contd. of page 2)

- **Eye protection:** Safety glasses
- **Body protection:** Protective work clothing.

9 Physical and chemical properties:

· General Information

Form: Solid.
Color: Light yellow
Odor: Light

· Change in condition

Melting point/Melting range: undetermined
Boiling point/Boiling range: > 100°C

· **Flash point:** Not applicable

· **Flammability (solid, gaseous)** Product is not flammable.

· **Danger of explosion:** Product does not present an explosion hazard.

· **Density:** Not determined

· Solubility in / Miscibility with

Water: Fully miscible

· **pH-value at 20°C:** 7.0 - 8.0

· **Organic solvents:** 0.0 %

· **Solids content:** 100 %

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Dangerous reactions** No dangerous reactions known
- **Dangerous products of decomposition:** No dangerous decomposition products known

11 Toxicological information

· Acute toxicity:

· Primary irritant effect:

· **on the skin:** No irritant effect.

· **on the eye:** No irritant effect.

· **Sensitization:** No sensitizing effects known.

· Additional toxicological information:

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

The substance is not subject to classification according to the latest version of the EU lists.

QUS

(Contd. on page 4)

Material Safety Data Sheet

Printing date 09/08/2007

Reviewed on 09/06/2007

Trade name: *Lyphochek Fertility Control, Level 3*

(Contd. of page 3)

12 Ecological information:

- **General notes:** Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.

13 Disposal considerations

- **Product:**
- **Recommendation** Dispose of waste in accordance to applicable national, regional, or local regulations.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

14 Transport information

- **Maritime transport IMDG:**
- **Marine pollutant:** No
- **Transport/Additional information:** Not dangerous according to the above specifications.

15 Regulations

- **SARA (Superfund Amendments and Reauthorization Act of 1986 - USA)**

- **Section 302/304 (40CFR355.30 / 40CFR355.40):**

Substance not listed.

- **Section 313 (40CFR372.65):**

Substance is not listed.

- **TSCA (Toxic Substances Control Act):**

71-63-6 digitoxin

57-83-0 progesterone

58-22-0 testosterone

- **California Proposition 65:**

- **Chemicals known to cause cancer:**

50-28-2 estradiol

57-83-0 progesterone

58-22-0 testosterone

- **Carcinogenicity categories**

- **EPA (Environmental Protection Agency)**

Substance is not listed.

- **IARC (International Agency for Research on Cancer)**

Substance is not listed.

- **NTP (National Toxicology Program)**

57-83-0 progesterone

R

- **TLV (Threshold Limit Value established by ACGIH)**

Substance is not listed.

(Contd. on page 5)

Material Safety Data Sheet

Printing date 09/08/2007

Reviewed on 09/06/2007

Trade name: Lyphohek Fertility Control, Level 3

(Contd. of page 4)

· MAK (German Maximum Workplace Concentration)

Substance is not listed.

· NIOSH-Ca (National Institute for Occupational Safety and Health)

Substance is not listed.

· OSHA-Ca (Occupational Safety & Health Administration)

Substance is not listed.

· Markings according to EU guidelines:

Observe the general safety regulations when handling chemicals

The substance is not subject to classification according to EU lists and other sources of literature known to us.

The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (GefStoffV).

· Safety phrases:

35 This material and its container must be disposed of in a safe way.

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.

· Department issuing MSDS: Environmental Health and Safety.
· Contact:

Life Science Group, Environmental Health and Safety, 2000 Alfred Nobel Drive, Hercules, California, 94547: 1(510) 741-1000

Diagnostic Group, Environmental Health and Safety, 4000 Alfred Nobel Drive, Hercules, California, 94547: 1(510) 724-7000

· * Data compared to the previous version altered.