



**PRODUCT AND COMPANY INFORMATION** ©

- ◆ **Product name:** Magnetofectamine
- ◆ **Catalog number:** MTX0750, MTX1000.
- ◆ **Chemical name or synonym:** none
- ◆ **Contact:**

OZ Biosciences  
 Parc Scientifique de Luminy – Zone Luminy Entreprises  
 163 Avenue de Luminy – Case 922  
 13288 Marseille cedex 9, France

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**KIT CONTENT AND CLASSIFICATION** ©

**Common Name**

**Classification**

- ◆ CombiMag
- ◆ Lipofectamine 2000™

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/

**Limited Use Label License**

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## SECTION 1 - PRODUCT AND COMPANY INFORMATION

◆ **Product name:** CombiMag

◆ **Catalog number:**

◆ **Contact:**

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163 Avenue de Luminy – Case 922  
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## SECTION 2 – COMPOSITION, INFORMATION ON INGREDIENTS

**Description:** water suspension of nanoparticles with iron oxide.

<u>Ingredient name</u>	<u>CAS number Classification</u>	<u>%</u>	<u>EINECS</u>
Water	7732-18-5 None	99.9 %	231-791-2
Synthetic polymers	None	<0.05 %	
Iron oxides	None	<0.05 %	

Ingredients are not hazardous or their concentrations do not exceed the limit specified according to 29 CFR 1910.1200 Hazard Communication Standard (USA) and Directive 1999/45/EC-2001/59/EC (EU).

## SECTION 3 – HAZARDS IDENTIFICATION

- ◆ This product contains hazardous ingredients (Yes; No; Not Applicable or no information): **No**
- ◆ This product contains hazardous carcinogens (Yes; No; N/A): **No**
- ◆ This product contains hazardous ingredients to the environment. (Yes; No; N/A): **No**

## SECTION 4 – FIRST AID MEASURES

◆ **Effects and symptoms:**

- *Inhalation* Not available.
- *Ingestion* Slightly hazardous in case of ingestion.
- *Skin contact* Not available.
- *Eye contact* Slightly hazardous in case of eye contact.
- *Aggravating conditions* Repeated or prolonged exposure is not known to aggravate medical conditions.

◆ **First-Aid measures:**

- *Inhalation* If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention immediately.
- *Ingestion* Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention if symptoms appear.
- *Skin contact* In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothes before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.
- *Eye contact* In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.
- *Notes to physician* Not available.

- *Protection of first-aiders* Not available.

## SECTION 5 – FIRE FIGHTING MEASURES

- ◆ **Flammability of the product:** May be combustible at high temperature.
- ◆ **Flash Point:** Not available.
- ◆ **Fire hazards in presence of various substances:** Not considered to be flammable.
- ◆ **Fire fighting media and instructions:** Use an extinguish agent suitable for surrounding fires.
- ◆ **Protective clothing (fire):** Be sure to use an approved/certified respirator or equivalent.
- ◆ **Hazardous thermal decomposition products:** Not available.

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

- ◆ **Personal precautions:** Safety glasses, lab coat and gloves.
- ◆ **Environmental precautions and clean-up methods:** Absorb with an inert material and put the spilled material in an appropriate waste disposal. Finish cleaning by spreading water on the contaminated surface and allow evacuating through the sanitary system.
- **Small spill and leak:** Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.
- ◆ **Additional information:** No dangerous substances are released.

## SECTION 7 – HANDLING AND STORAGE

- ◆ **Handling:** Avoid breathing vapors or spray mists.
- ◆ **Storage:** Keep container tightly closed. Keep container in a cool, well-ventilated area. Store between 2 to 8°C (35.6 to 46.4 F)
- ◆ **Intended use:** Refer to the instruction booklet for proper and intended use. Otherwise, contact supplier for specific application.
- ◆ **Packaging materials**
- ◆ **Suitable:** Use original container.

## SECTION 8 – EXPOSURE CONTROLS, PERSONAL PROTECTION

- ◆ **Engineering Controls:** Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. Ensure that eyewash stations and safety showers are proximal to the work-station location.
- ◆ **Personal protection**
  - **Eyes:** Safety glasses.
  - **Body:** Lab coat and gloves.
  - **Respiratory:** Respirator is not needed under normal and intended conditions of use, if exposures are kept below established limits.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

- ◆ **Appearance**
  - **Physical State:** Suspension.
  - **Color:** Brown.
  - **Odor:** Not available.
  - **Taste:** Not available.
- ◆ **Molecular weight:** Not available.
- ◆ **pH:** Between 4 and 11
- ◆ **Boiling point:** 100°C (212 F).
- ◆ **Decomposition temperature:** 100°C (212 F)
- ◆ **Melting point:** Not available.

- ◆ **Flash point:** Not available.
- ◆ **Dispersion properties:** In suspension in water.
- ◆ **Solubility:** Not available.

#### SECTION 10 – STABILITY AND REACTIVITY

- ◆ **Stability and reactivity:** The product is stable at a pH between 4 and 11
- ◆ **Conditions to avoid:** pH < 4 and pH > 11, using temperatures < + 2°C and > + 96°C
- ◆ **Materials to avoid:** Strong acids, strong bases and pure organic solvents.
- ◆ **Hazardous polymerization:** Will not occur.
- ◆ **Hazardous decomposition products:** Not available.

#### SECTION 11 – TOXICOLOGICAL INFORMATION

- ◆ **Toxicity on animals:**
  - **LD50:** Not available.
  - **LC50:** Not available.
- ◆ **Chronic effects on humans:** Carcinogenic effects: classified none. by NIOSH. By OSHA.
- ◆ **Other toxic effects on humans:** Slightly hazardous in case of ingestion, of eye contact.

#### SECTION 12 – ECOLOGICAL INFORMATION

- ◆ No data available.

#### SECTION 13 – DISPOSAL CONSIDERATIONS

- ◆ **Waste stream:** Not available.
- ◆ **Waste disposal method:** Contact a licensed professional waste disposal service to dispose of this material. Dispose in accordance with governmental environmental regulations. Observe all federal, state, and local environmental regulations.
- ◆ **European waste catalogue (EWC):** Not available.
- ◆ **Hazardous waste:** Will not occur.

#### SECTION 14 – TRANSPORT INFORMATION

- ◆ This substance is considered to be non-hazardous for transport and air-transport.

#### SECTION 15 – REGULATORY INFORMATION

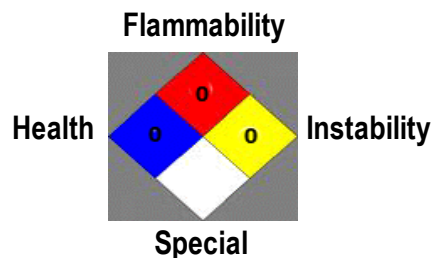
- ◆ This product is not classified according to the EU regulations.

#### SECTION 16 – OTHER INFORMATION

- ◆ **Hazardous Material Information System (U.S.A.):**

<b>Health</b>	<b>0</b>
<b>Fire hazard</b>	<b>0</b>
<b>Reactivity</b>	<b>0</b>
<b>Personal protection</b>	

- ◆ **National Fire Protection Association (U.S.A.):**



- ◆ **Other Comments:**

To the best of our knowledge, the information contain herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

**Restriction of use:** for research use only.

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING**

**Product code** 11668019  
**Product name** LIPOFECTAMINE 2000 REAGENT

**Company/Undertaking Identification**

INVITROGEN CORPORATON  
5791 VAN ALLEN WAY  
PO BOX 6482  
CARLSBAD, CA 92008  
760-603-7200

INVITROGEN CORPORATION  
5250 MAINWAY DRIVE  
BURLINGTON, ONT  
CANADA L7L 6A4  
800-263-6236

GIBCO PRODUCTS  
INVITROGEN CORPORATION  
3175 STALEY ROAD P.O. BOX 68  
GRAND ISLAND, NY 14072  
716-774-6700

**24 hour Emergency Response  
(Transport):** 866-536-0631  
301-431-8585  
Outside of the U.S. ++1-301-431-8585

For research use only

**2. COMPOSITION/INFORMATION ON INGREDIENTS****Hazardous/Non-hazardous Components**

The product contains no substances which at their given concentration, are considered to be hazardous to health. We recommend handling all chemicals with caution.

**3. HAZARDS IDENTIFICATION****Emergency Overview**

The product contains no substances which at their given concentration, are considered to be hazardous to health

### 3. HAZARDS IDENTIFICATION

Form  
Liquid

#### Principle Routes of Exposure/ Potential Health effects

Eyes	No information available
Skin	No information available
Inhalation	No information available
Ingestion	May be harmful if swallowed.

#### Specific effects

Carcinogenic effects	No information available
Mutagenic effects	No information available
Reproductive toxicity	No information available
Sensitization	No information available

Target Organ Effects No information available

#### HMIS

Health	0
Flammability	0
Reactivity	0

### 4. FIRST AID MEASURES

<b>Skin contact</b>	Wash off immediately with plenty of water. If symptoms persist, call a physician.
<b>Eye contact</b>	Rinse thoroughly with plenty of water, also under the eyelids. If symptoms persist, call a physician.
<b>Ingestion</b>	Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.
<b>Inhalation</b>	Move to fresh air. If symptoms persist, call a physician.
<b>Notes to physician</b>	Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

<b>Suitable extinguishing media</b>	Dry chemical
<b>Special protective equipment for firefighters</b>	Wear self-contained breathing apparatus and protective suit

### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions</b>	Use personal protective equipment
<b>Methods for cleaning up</b>	Soak up with inert absorbent material.

### 7. HANDLING AND STORAGE

<b>Handling</b>	No special handling advice required
<b>Storage</b>	Keep in properly labelled containers

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Occupational exposure controls

#### Exposure limits

**Engineering measures** Ensure adequate ventilation, especially in confined areas

#### Personal protective equipment

**Respiratory Protection** In case of insufficient ventilation wear suitable respiratory equipment

**Hand protection**

Protective gloves

**Eye protection**

Safety glasses with side-shields

**Skin and body protection**

Lightweight protective clothing.

**Hygiene measures**

Handle in accordance with good industrial hygiene and safety practice

**Environmental exposure controls**

Prevent product from entering drains.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### General Information

**Form** Liquid

### Important Health Safety and Environmental Information

**Boiling point/range** °C No data available °F No data available

**Melting point/range** °C No data available °F No data available

**Flash point** °C No data available °F No data available

**Autoignition temperature** °C No data available °F No data available

**Oxidizing properties** No information available

**Water solubility** No data available

## 10. STABILITY AND REACTIVITY

**Stability** Stable.

**Materials to avoid** No information available

**Hazardous decomposition products** No information available

**Polymerization** Hazardous polymerisation does not occur.

## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

#### Principle Routes of Exposure/

#### Potential Health effects

**Eyes** No information available

**Skin** No information available

**Inhalation** No information available

Ingestion

May be harmful if swallowed.

**Specific effects**

**Carcinogenic effects**  
**Mutagenic effects**  
**Reproductive toxicity**  
**Sensitization**

**(Long Term Effects)**

No information available  
No information available  
No information available  
No information available

**Target Organ Effects**

No information available

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity effects**

No information available.

**Mobility**

No information available.

**Biodegradation**

Inherently biodegradable.

**Bioaccumulation**

Does not bioaccumulate.

**13. DISPOSAL CONSIDERATIONS**

Dispose of in accordance with local regulations

**14. TRANSPORT INFORMATION**

**IATA**

**Proper shipping name**

Not classified as dangerous in the meaning of transport regulations

**Hazard Class**

No information available

**Subsidiary Class**

No information available

**Packing group**

No information available

**UN-No**

No information available

**15. REGULATORY INFORMATION**

**International Inventories**

**U.S. Federal Regulations**

**SARA 313**

This product is not regulated by SARA.

**Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)**

This product does not contain HAPs.

**U.S. State Regulations**

**California Proposition 65**

This product does not contain chemicals listed under Proposition 65

**WHMIS hazard class:**

Non-controlled

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR

## **16. OTHER INFORMATION**

For research use only

The above information was acquired by diligent search and/or investigation and the recommendations are based on prudent application of professional judgment. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution. Since the Company cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein. THE INFORMATION IN THIS MSDS DOES NOT CONSTITUTE A WARRANTY, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE.

**End of Safety Data Sheet**