

PRODUCT AND COMPANY INFORMATION

- ◆ **Product name:** LipoMag Kit
- ◆ **Catalog number:** LM80250 CombiMag + DreamFect™ Gold  
LM80500 CombiMag + DreamFect™ Gold  
LM80000 CombiMag + DreamFect™ Gold
- ◆ **Chemical name or synonym:** none
- ◆ **Contact:**

OZ Biosciences  
Parc Scientifique de Luminy – Zone Luminy Entreprises  
163 Avenue de Luminy – Case 922  
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KIT CONTENT AND CLASSIFICATION

**Common Name**

**Classification**

- ◆ DreamFect™ Gold
- ◆ CombiMag

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## SECTION 1 - PRODUCT AND COMPANY INFORMATION

◆ **Product name:** CombiMag

◆ **Contact:**

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

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

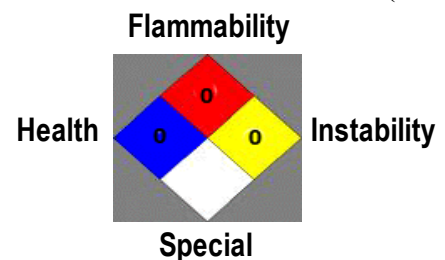
- ◆ This product is not classified according to the EU regulations.

## 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.

**PRODUCT AND COMPANY INFORMATION**

- ◆ **Product name:** DreamFect™ Gold
- ◆ **Chemical name or synonyms:** none
- ◆ **Contact:**

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**HAZARDOUS INGREDIENTS**

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**

**HEALTH HAZARD DATA**

- ◆ **Health Effects:**  
Adverse health effects are not expected from the recommended use of this product. Some people may be allergic to the material. Symptoms of exposure may include: fatigue, coughing, weight loss and shortness of breath.
- ◆ **Primary Routes of Entry:** Skin or eye contact from splashes
- ◆ **Medical Conditions Aggravated by Exposure:** not known
- ◆ **Emergency First Aid Procedures:**
  - **Skin contact-** Flush contaminated areas with large volume of water for at least 15 minutes. Remove contaminated clothing. Get medical attention if the skin remains irritated.
  - **Eye contact-** Flush contaminated eye(s) with large volume of water for at least 15 minutes. Get medical attention if eye(s) remain irritated.
  - **Ingestion-** No adverse effects are reasonably anticipated. If any symptoms occur, keep victim warm and calm and get medical attention immediately.
  - **Inhalation-** Move victim to fresh air. If breathing becomes difficult, seek medical assistance immediately.

**PHYSICAL AND CHEMICAL DATA PROPERTIES**

- ◆ **Appearance and odor information:** Colorless liquid, odorless.
- ◆ **Boiling point:** 100°C (212°F)
- ◆ **Flash Point:** > 200°C
- ◆ **Lower Explosion Limit (% by volume):** N/A
- ◆ **Upper Explosion Limit (% by volume):** N/A
- ◆ **Vapour pressure at 20°C:** N/A
- ◆ **Vapour density:** N/A
- ◆ **Solubility in water:** fully miscible
- ◆ **Specific Gravity (water = 1):** N/A
- ◆ **Percent volatile by volume:** N/A
- ◆ **Evaporation Rate:** N/A

**PHYSICAL HAZARD DATA**

- ◆ **Suitable Extinguishing Media:** Dry powder, carbonic acid or foam extinguisher.
- ◆ **Special Fire Fighting Procedures:** Wear self-contained breathing apparatus and protective garments.
- ◆ **Unusual Fire and Explosion Hazards:** N/A.

**REACTIVITY DATA**

- ◆ **Incompatibility (material to avoid):**  
None.
- ◆ **Hazardous Decomposition Products:**  
No dangerous decomposition products known.
- ◆ **Will Hazardous Polymerization Occur:**  
None.
- ◆ **Is the product stable(y; n; n/a; n/i):**

Yes, under normal handling and storage conditions.

- ◆ **Condition to avoid:**  
Keep away from source of heat or ignition.

## SPILL AND LEAK PROCEDURES

- ◆ **Steps to be taken in Case Material is Released or Spilled:**  
Absorb spilled substance with fluid binders. Contain and collect spillage with non-combustible absorbent material (e.g. sand, earth, diatomaceous earth, vermiculite). Once spent, place all the contaminated disposables into a suitable container, seal, label and dispose.
- ◆ **Waste Disposal Method:**  
Contact a licensed professional waste disposal service to dispose of this material. Dispose in accordance with governmental environmental regulations. Prevent discharge of the liquid into the sewage system, cess pits and cellars. Vapours produce potentially explosive atmosphere.

## EXPOSURE CONTROL INFORMATION

- ◆ **Ventilation Data:**  
Provide adequate general exhaust ventilation.
- ◆ **Respiratory Protection:**  
None required if ventilation is adequate.
- ◆ **Protective Gloves:**  
Rubber or chemical resistant gloves should be worn.
- ◆ **Other Protective Equipment:**  
Safety glasses with side shields are advised. Eye wash stations and deluge showers should also be available. Finally, a lab coat should be worn.
- ◆ **Other Engineering Controls:**  
None
- ◆ **Work Practices:**  
Good laboratory technique should be used when handling this product. Do not mouth pipette. Observe appropriate chemical hygiene. Avoid contact with skin or eyes
- ◆ **Hygienic Practices:**  
Do not eat, drink or smoke while working with reagents. Upon completion of work activities involving this product, wash any exposed body areas thoroughly with soap and water.

## REGULATORY INFORMATION

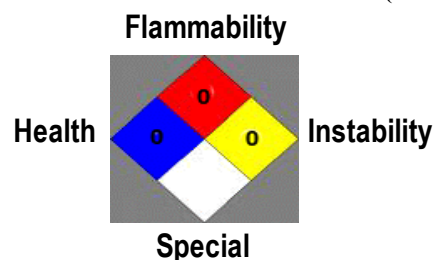
- ◆ This product is not classified according to the EU regulations.

## OTHER INFORMATIONS

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

Health	0
Fire hazard	0
Reactivity	0
Personal protection	

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



- ◆ **Other Comments:**

To the best of our knowledge, the information contained 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.

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