

MSDS – MAGAR-cN

SECTION 1: Identification of the substance /mixture and of the Company/undertaking

1.1. Product identifier

Product name: MAGAR-cN

Product number: #016-00-007

CAS number: # None

Unit size: 1 mL

1.2. Relevant identified uses of the substance of mixture and uses advised against.

Identified uses: For R&D use only. Not for household, drug or other uses.

Details of the supplier of the safety data sheet

Company: Immagina Biotechnology.s.r.l.

1.3. Emergency telephone number

Emergency Phone: +39 02/66101029

Immagina Biotechnology.s.r.l.: +39 0461312018

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Product definition: mixture.

2.1.1. Primary Routes of Exposure

Dermal contact, Ingestion.

2.1.2. Potential Health Effects

Ingestion: Might be harmful if ingested.

Skin: Might be harmful if absorbed through skin. Might cause skin irritation.

Eyes: Might cause eye irritation. Prolonged exposure might cause eye damage.

Inhalation: Might be harmful if inhaled.

Chronic Exposures: Not determined

Target Organs: Not determined

2.2 Label elements

Hazard statements

Flammable liquid and vapor.

Precautionary statements

Prevention

Wear security gloves: 1-4 hours (breakthrough time): butyl rubber, neoprene.

Wear protection for eye or face: Recommended: safety goggles with side-shields. Keep away from heat, sparks, open flames and hot surfaces. - Not smoking. Use explosion-proof electrical, ventilating, and lighting and all material handling equipment.

Response

IF ON HAIR (or skin): Immediately take off all contaminated clothing. Wash skin with shower or water.

Storage

Keep cool.

Disposal

Dispose of contents and container in accordance with all international, national, regional, local regulations.

2.3. Other hazards: no data available

SECTION 3: Composition/information on ingredients

3.1 Substances

Agarose (CAS number: 9012-36-6)

Maghemite (CAS number: 1332-37-2)

Ethanol(CAS Number 64-17-5)

Water (CAS number: 231-791-2)

3.2 Mixtures: Not applicable.

SECTION 4: First aid measures

4.1. Description of first aid measures

Skin contact: Clean the affected area with large amounts of water. Remove contaminated clothes if indispensable. Search medical assistance if irritation persists.

Eye contact: immediately wash your eyes with water, occasionally lifting the upper and lower eyelids. Check for and remove contact lenses. Continue to wash for at least 11 minutes. Get medical attention if irritation occurs.

Oral exposure: Wash out mouth with fresh water. Remove dentures. Remove victim to fresh air and keep at rest in a comfortable position for breathing. If material had been swallowed and the exposed guy is conscious, give water to drink. Stop if the exposed person feels sick as vomiting, it may be dangerous. Don't induce vomiting unless directed to do so by medical personnel. If vomiting occurs, head should be kept low so that vomit doesn't enter the lungs. Get medical attention if adverse health effects persist.

4.2 Most important symptoms and effects, both acute and delayed

Potential acute health effects

Inhalation	No known significant effects or critical hazards.
Ingestion	No known significant effects or critical hazards.
Skin contact	No known significant effects or critical hazards.
Eye contact	No known significant effects or critical hazards.

Over-exposure signs/symptoms

Skin contact	No specific data.
Ingestion	No specific data.
Inhalation	No specific data.
Eye contact	No specific data.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician Treat symptomatically. Contact poison treatment specialist immediately if huge quantities had been ingested or inhaled.

Specific treatments No specific treatment.

SECTION 5: Fire-fighting measures

5.1. Extinguishing media

Use foam (fog), dry chemical, CO₂ or water spray.

5.2. Special hazards arising from the substance or mixture:

Hazards from the substance or mixture

Flammable liquid and vapor. In a fire or if heated, a pressure increase will occur and the container might burst, with the risk of a subsequent huge explosion. Runoff to sewer might create fire or explosion hazard.

Hazardous combustion products Decomposition products might include materials like:

Carbon dioxide
Carbon monoxide
Metal oxide/oxides

5.3. Advice for fire-fighters:

Promptly isolate the scene by removing all persons from the nearness of the incident if there is a fire. No action should be taken involving any personal risk or without suitable training. Move containers from fire area if those can be done without risk. Use water spray for keep fire-exposed containers cool.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Throughout wear protective clothing, approved safety glasses and gloves when handling this chemical substance.

6.2. Environmental precautions: Avoid dispersal of material spilt and runoff and contact with soil, drains, waterways and sewers. Inform the major authorities if the product have caused environmental pollution (waterways, sewers soil or air).

6.3. Methods and material for containment and cleaning up

Small spills of material might be gathered with a wet wipe or swept up with water into a suitable container for disposal.

6.4. Reference to other sections: no data available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Always wear protective clothing, approved safety glasses and gloves when handling this chemical substance.

7.2. Conditions for safe storage, including any incompatibilities

Store between 4 to 30°C

7.3. Specific end use(s): no data available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters:

Product/ingredient name	Exposure limit values
ethanol	TWA: 1920 mg/m ³ 8 hours. TWA: 1000 ppm 8 hours.

8.2. Exposure controls: Use only with an adequate ventilation

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- a) **Appearance:** Liquid with precipitate, solution: uncolored, Suspension: orange
- b) **Odour:** no data available
- c) **Odour Threshold:** no data available
- d) **pH:** 7-9
- e) **Melting point/freezing point:** no data available
- f) **Initial boiling point and boiling range:** no data available
- g) **Flash point:** no data available
- h) **Evaporation rate:** no data available
- i) **Flammability (solid, gas):** Not applicable.
- j) **Upper/lower flammability or explosive limits:** no data available
- k) **Vapour pressure:** no data available
- l) **Vapour density:** no data available
- m) **Relative density:** no data available
- n) **Water solubility:** soluble
- o) **Partition coefficient (n-octanol/water):** no data available
- p) **Auto-ignition temperature:** not applicable
- q) **Decomposition temperature:** no data available
- r) **Viscosity:** no data available
- s) **Explosive properties:** No fire or explosion hazard known
- t) **Oxidizing properties:** no data available

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity: no data available

10.2. Chemical stability: no data available

10.3. Possibility of hazardous reactions: no data available

10.4. Conditions to avoid: no data available

10.5. Incompatible materials: no data available

10.6. Hazardous decomposition products: Dangerous decomposition products might be formed under fire conditions but no data available.

SECTION 11: Toxicological information

11.1. Information on toxicological effects: no data available

SECTION 12: Ecological information

12.1. Toxicity: no data available

12.2. Persistence and degradability: no data available

12.3. Bioaccumulative potential: no data available

12.4. Mobility in soil: no data available

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

SECTION 14: Transport information

14.1. UN number

No data available

14.2. UN proper shipping name

No data available

14.3. Transport hazard class(es)

No data available

14.4. Packing group

No data available

14.5. Environmental hazards

No

14.6. Special precautions for user

No data available

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture Approved Code of Practice

Safety Data Sheets for Substances and Preparations.

EU Legislation

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/105/EC and 2000/21/EC, including amendments Regulation (EC) No 1272/2008 of the European

Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

The above information is offered in good faith as accurate, but without guarantee, and should be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It doesn't represent any guarantee of the properties of the product. Nanoimmunotech, S. L. shall not be held liable for any damage resulting from handling of from contact with the above product. All risks of use of the product should be assumed by the user.