

MATERIAL SAFETY DATA SHEET



SECTION 1 - PRODUCT AND COMPANY INFORMATION

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Product name: HA(FL)-H1N1 mRNA unmodified

Catalog number: MRNA67

Chemical name or synonyms:

Contact:

OZ Biosciences

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SECTION 2 - HAZARDS IDENTIFICATION



GHS Classification

No

GHS Label element

Signal Word: None Hazard Statements: None Pictograms: None

- 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 3 – COMPOSITION, INFORMATION ON INGREDIENTS



Description: Unmodified mRNA encoding the full length (HA) hemagglutinin surface glycoproteins of H1N1 subtype of Influenza A virus, dissolved in citrate buffer 1mM

Ingredient name

CAS number

mRNA citric acid

NA

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 4 – FIRST AID MEASURES



Effects and symptoms:

o Inhalation May be harmful if inhaled. Material may be irritating to mucous membranes and upper respiratory tract.

Ingestion
Skin contact
Eye contact
May be harmful in case of ingestion.
May cause skin irritation, redness, itching.
Slightly hazardous in case of eye contact.

o Aggravating conditions Chronic exposure may develop allergic reactions in sensitive individuals.

First-Aid measures:

o Inhalation If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial

respiration. Get medical attention immediately.

If swallowed, wash out mouth with water provided person is conscious. 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.

o Skin contact In case of contact, immediately wash skin with soap and copious amounts of water.

o 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 &

Extinguishing media: Water spray, carbon dioxide, dry chemical powder or appropriate foam.

Flammability of the product: Not available. **Flash Point:** Not available.

Not considered to be flammable. Fire hazards in presence of various substances:

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

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 contact with skin, eyes and clothing. Avoid prolonged or repeated exposure.

Keep container tightly closed. Keep container in a cool, well-ventilated area. Store at - 80°C for long-term storage. Storage: Intended use: Refer to the instruction booklet for proper and intended use. Otherwise, contact supplier for specific application.

Packaging materials

Personal precautions:

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: Liquid 0 Color: Colorless Odor: Not available. Not available. Taste:

Molecular weight: Not available.

pH: 6.4 100°C **Boiling point:** Not available **Decomposition temperature:**

Not available. **Melting point:** Flash point: Not available. **Dispersion properties:** Not applicable.

Solubility: Readily soluble in water.

SECTION 10 - STABILITY AND REACTIVITY

Stability and reactivity: The product is stable under recommended storage conditions. Conditions to avoid: Exposure to light, air or moisture over prolonged periods. Materials to avoid: Strong acids, strong bases, strong oxidizing agents.

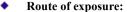
Hazardous polymerization: Will not occur. Hazardous decomposition products: Will not occur.







SECTION 11 - TOXICOLOGICAL INFORMATION



- o Skin absorption: may be harmful if absorbed through the skin.
- o Skin contact: May cause skin irritation.
- o **Eve contact:** May cause eye irritation.
- o Inhalation: May be harmful if inhaled. Material may be irritating to mucous membranes and upper respiratory tract.
- o Ingestion: May be harmful if swallowed.
- 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: None.

SECTION 12 – ECOLOGICAL INFORMATION

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No data available.

SECTION 13 – DISPOSAL CONSIDERATIONS

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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):Hazardous waste:

Not available. Will not occur.

SECTION 14 – TRANSPORT INFORMATION



Note Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

D.O.T.: Not regulated.

IATA .: Not regulated.

IMDG: Not regulated.

SECTION 15 – OTHER INFORMATION



US Federal Regulations

RCRA (Lists of Hazardous Wastes,

40 CFR 261 Subpart D): Not applicable

CLEAN AIR ACT (SEC. 112.

Hazardous Air Pollutants): Not applicable

CLEAN WATER ACT (RQ, 40 CFR): Not applicable

SARA Title III:

Section 302 -304, 40 CFR 355: Components present in this product at a level which could require reporting are:

none

Section 311 - 312: Components present in this product at a level which could require reporting are:

none.

Section 313: Not applicable

TSCA Section 8(b) Inventory Status: All ingredients are listed on TSCA Inventory of Chemical Substances or exempt from TSCA Inventory requirements.

AICS Inventory Status: All ingredients are listed on the Australia Inventory of Chemical Substances.

State Lists

This product does not contain any Proposition 65 chemicals.

• This product is not classified according to the EU regulations.

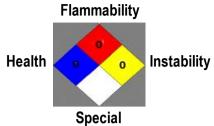
SECTION 16-OTHER INFORMATION

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Hazardous Material Information System (U.S.A.):

Health	0
Fire hazard	0
Reactivity	0
Personal protection	

National Fire Protection Association (U.S.A.):



0 = not significant 1 = slight

2 = moderate

3 = high4 = extreme

* = chronic

Revisions:

Issue Date: 31-Oct-2024

Last Revision Date: New Document Revision note: New format.

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.

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