

Safety Data Sheet

SECTION I: Product and Company Identification

1.1 Product identifiers

Product name: Activated HRP Labeling Kit

Product Number: D8200

Brand: MEDNA™

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

Identified uses: For research use only.

1.3 Details of the supplier of the safety data sheet

Company: MEDNA Scientific™

1551 Corporate Drive

Irving, TX 75038

Office: 469-496-8847

Emergency phone number: 469-496-8847

SECTION II: Hazards identification

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Respiratory sensitization: Category 1

2.2 GHS Label elements, including precautionary statements



Signal Word Danger

Hazard statements

H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled

GHS Precaution Phrases:

P261: Avoid breathing {dust/fume/gas/mist/vapours/spray}.

P284: {In case of inadequate ventilation} wear respiratory protection.

GHS Response Phrases:

P304+341: IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.

P342+311: If experiencing respiratory symptoms call a POISON CENTER or doctor/physician.

GHS Storage and Disposal Phrases:

Please refer to Section 7 for Storage and Section 13 for Disposal information.

SECTION III: Composition/information on ingredients

CAS # / RTCS #	Hazardous Components	Concentration	EC No./ EC Index No	GHS Classification
	(Chemical Name)/ REACH Registration No			
9003-99-0	Horseradish peroxidase	100.0 %	232-668-6 NA	Resp. Sens. 1: H334

SECTION IV: First aid measures

4.1 Description of first aid measures

If inhaled

Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Get immediate medical attention

In case of skin contact

Immediately wash skin with soap and plenty of water for at least 15 minutes. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.

In case of eye contact

Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Have eyes examined and tested by medical personnel.

If swallowed

Wash out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person. Get medical attention. Do NOT induce vomiting unless directed to do so by medical personnel.

SECTION V: Firefighting measures

5.1 Flammable properties

Not determined.

5.2 Flash point

Not determined.

5.3 Suitable extinguishing media

Use alcohol-resistant foam, carbon dioxide, water, or dry chemical spray.

Use water spray to cool fire-exposed containers

Unsuitable extinguishing media

A solid water stream may be inefficient.

5.4 Protective equipment and precautions for firefighters

As in any fire, wear self-contained

breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear to prevent contact with skin and eyes. Keep upwind of fire.

SECTION VI: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid breathing vapors and provide adequate ventilation. As conditions warrant, wear a NIOSH approved self-contained breathing apparatus, or respirator, and appropriate personal protection (rubber boots, safety goggles, and heavy rubber gloves).

6.2 Environmental precautions

Take steps to avoid release into the environment, if safe to do so.

6.3 Methods and materials for containment and cleaning up

Contain spill and collect, as appropriate.

Transfer to a chemical waste container for disposal in accordance with local regulations

SECTION VII: Handling and storage

7.1 Precautions for safe handling

Avoid breathing dust/fume/gas/mist/vapors/spray.

Avoid prolonged or repeated exposure.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed.

SECTION VIII: Exposure controls/personal protection

8.1 Control parameters

No additional information available.

8.2 Exposure controls

Appropriate engineering controls

Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

Personal protective equipment

Eye/face protection

Safety glasses or goggles are recommended when handling product.

Skin and body protection

Wear suitable protective clothing.

Respiratory protection

Not normally needed. In case of insufficient ventilation, wear suitable respiratory equipment.

Environmental exposure controls

Maintain levels below Community environmental protection thresholds

Other information

Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. Handle according to established industrial hygiene and safety practices.

SECTION IX: Physical and chemical properties

9.1 Basic physical and chemical properties

- a) Appearance Form: Colorless
- b) Odor: No data available
- c) Odor threshold: No information available
- d) pH: No information available.
- e) Physical state at 20 degrees C: Solid
- f) Flash point: No information available
- g) Decomposition temperature: No information available.
- h) Flammability limits in air: No information available.
- i) Explosion limits: No information available.
- j) Specific gravity: No information available.
- k) Solubility: ~5 mg/ml in 0.1 M potassium phosphate buffer, pH 6.0.

- l) Evaporation rate: No information available
- m) Vapor Pressure @20°C (kPa): No information available
- n) Vapor density: No data available
- o) VOC Content(%): Not applicable

9.2 Other safety information

No data available

SECTION X: Stability and reactivity**10.1 Reactivity**

No data available

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No data available, polymerization will not occur.

10.4 Conditions to avoid

None known.

10.5 Incompatible materials

None known.

10.6 Hazardous decomposition products

None known.

SECTION XI: Toxicological information

11.1 Information on toxicological effects: The toxicological effects of this product have not been studied.

SECTION XII: Ecological information**12.1 Toxicity**

Avoid release into the environment.

Runoff from fire control or dilution water may cause pollution.

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 Other adverse effects

No data available

SECTION XIII: Disposal considerations**13.1 Waste treatment methods****Product**

Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation

Contaminated packaging

Do not reuse empty containers.

SECTION XIV: Transport information
DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

SECTION XV: Regulatory information

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
9003-99-0	Horseradish peroxidase Type IV	No	No	No
CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists		
9003-99-0	Horseradish peroxidase Type IV	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No		

SECTION XVI: Other information
Further information

The above information is believed to be correct but does not purport to be all inclusive and shall 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 regarding appropriate safety precautions. It does not represent any guarantee of the properties of the product. MEDNA Scientific shall not be held liable for any damage resulting from handling or from contact with the above product.

Version: 3.0 Revision Date: 10/2/2026