

# SAFETY DATA SHEET (SDS)

## Hemagglutinin HA (A/California/06/09)(H1N1)(aa 18-530)

### 1: Identification

#### PRODUCT DETAILS

<b>Product Name</b>	Hemagglutinin HA (A/California/06/09)(H1N1)(aa 18-530)
<b>Other Names</b>	None
<b>Catalog #</b>	IA-11SW-005P
<b>Use</b>	For research use, <i>i.e.</i> western blot standard, antibody ELISA, antigen
<b>Company</b>	eENZYME LLC
<b>Address</b>	401 Professional Drive, Suite 160 Gaithersburg, MD 20879, USA
<b>General Information</b>	1-240-683-5851

### Section 2: Hazards Identification

**GHS Classification of substances and mixtures:** Not hazardous. May cause eye or skin irritation in susceptible individuals. May be harmful if swallowed or inhaled.

**Signal Word:** Not hazardous.

**Other Information:** No other information available.

### Section 3: Composition/Information on Ingredients

At the concentration of the chemicals in the aqueous solution provided, the protein is considered nonhazardous.

Chemical Components	Description
Hemagglutinin	Recombinant protein, 50 µg
KCl	10 µg
KH <sub>2</sub> PO <sub>4</sub>	12 µg
NaCl	400 µg
Na <sub>2</sub> HPO <sub>4</sub>	72 µg

### Section 4: First Aid Measures

<b>Swallowed:</b>	Rinse mouth with water then drink copious amounts of water.
<b>Eye:</b>	Wash continuously with water for 15 minutes
<b>Skin:</b>	Immediately wash skin with soap and water. Wash contaminated clothing.
<b>Inhaled:</b>	Remove to fresh air.
<b>First Aid Facilities:</b>	Eye bath
<b>Physician's note</b>	Treat symptomatically.

#### Section 5: Fire Fighting Measures

<b>Extinguishing Media:</b>	None
<b>Special Firefighting Procedures:</b>	None
<b>Unusual Fire and Explosions Hazards</b>	None

#### Section 6: Accidental Release Measures

<b>Spill Response</b>	Absorb with paper towel and dispose into biohazard waste
<b>Containment</b>	None
<b>Personal Precautions and Equipment</b>	Gloves, Protective goggles, laboratory coat
<b>Emergency Procedures</b>	Avoid direct skin and eye contact when cleaning up

#### Section 7: Handling and Storage

<b>Recommendations for Safe Storage</b>	No special precautions for personal safety
<b>Additional Storage Information</b>	None
<b>Precautions for Safe Handling</b>	Use Safe Laboratory Practice.
<b>Additional Precautions for Handling</b>	None

#### Section 8: Exposure Controls/Personal Protection

<b>Exposure Limits</b>	No data
<b>Engineered Environmental Controls Needed</b>	No special controls needed
<b>Personal Protective Measures</b>	Use Safe Laboratory Practice, protective gloves, goggles, laboratory coat
<b>Special Requirements</b>	None

#### Section 9: Physical and Chemical Properties

<b>Physical State</b>	Aqueous Solutions
<b>Odor</b>	None
<b>Solubility in Water</b>	Good
<b>Specific Gravity</b>	No data
<b>pH</b>	Neutral
<b>Boiling Point</b>	No data
<b>Melting Point</b>	No data
<b>Flash Point</b>	No data
<b>Vapor Pressure</b>	No data
<b>Vapor Density</b>	No data

#### Section 10: Stability and Reactivity

<b>Reactivity</b>	Compounds considered non-dangerous at concentrations given.
<b>Chemical Stability</b>	Stable
<b>Hazardous Reactions or Polymerizations</b>	Will not occur.
<b>Hazardous Decomposition Products:</b>	None. Burning can produce oxides of carbon and nitrogen.
<b>Incompatible Materials</b>	None known

Section 11: Toxicological Information
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<b>Likely Routes of Exposure</b>	None if properly handled. Accidental routes include skin, eyes and mouth. Accidental exposure might cause a reaction in susceptible individuals.
<b>Effects of Exposure</b>	None known, general class of similar chemical solutions have no toxic, carcinogenic, or mutagenic effects.
<b>Toxicity Data and LD50</b>	None known at concentrations provided.

The above information is believed to be correct but does not purport to be complete and should be used only as a guide. The burden of safe use of this material rests entirely with the user.