

SAFETY DATA SHEET (SDS)

Hemagglutinin HA (H1N1) (A/Solomon Islands/3/2006)

1: Identification

PRODUCT DETAILS

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| Product Name | Hemagglutinin HA (H1N1) (A/Solomon Islands/3/2006) (aa 18-530) |
| Other Names | None IA-0011W-005P |
| Use | For research use, <i>i.e.</i> western blot standard, antibody ELISA. |
| Company | eENZYME LLC |
| Address | 401 Professional Drive, Suite 160 Gaithersburg, MD 20879, USA |
| General Information | 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 ₂ PO ₄ | 12 µg |
| NaCl | 400 µg |
| Na ₂ HPO ₄ | 72 µg |

Section 4: First Aid Measures

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

Section 5: Fire Fighting Measures

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| Extinguishing Media: | None |
| Special Firefighting Procedures: | None |
| Unusual Fire and Explosions Hazards | None |

Section 6: Accidental Release Measures

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

Section 7: Handling and Storage

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| Recommendations for Safe Storage | No special precautions for personal safety |
| Additional Storage Information | None |
| Precautions for Safe Handling | Use Safe Laboratory Practice. |
| Additional Precautions for Handling | None |

Section 8: Exposure Controls/Personal Protection

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

Section 9: Physical and Chemical Properties

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

Section 10: Stability and Reactivity

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

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

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| Other Information |
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| Preparation Date | 2/20/2020 |
| Revision Date | 3/8/2022 |

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.