

SAFETY DATA SHEET (SDS)**His A MIMC****Effective Date:** 2026/06/29**Number:** MC/M2006062901-ENPrepared in accordance with the 11th revised
edition of the United Nations GHS system.**1. Product and Company Identification****Product Identification**

Product Name (Chinese)	His A MIMC
Product Name (English)	His A MIMC
Item Number	MC-M010101-005M
CAS Number	Not applicable
EC Number	Not applicable
Molecular Formula	Not applicable

Recommended and Restricted Uses of the Product

Recommended Use	For the separation and purification of His-tagged proteins and other His-tagged biomacromolecules.
Restricted Use	Consult the manufacturer.

Supplier of Safety Data Sheet

Company Name	Hubei Magic Core Biotechnology Co., Ltd.
Company Address	4F, B9, No. 818 Gaoxin Ave, Gaoke Medical Devices Park East Lake High-Tech Zone, Wuhan, Hubei, China.
Postal Code	430206
Contact Phone	+86 027-59377258
Fax	None
E-mail	magiccore2024@126.com

Company Emergency Telephone

Emergency Contact	+86 16602722379
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2. Hazard(s) Identification

GHS Hazard Classification

	According to the GHS, this substance/mixture is not classified as hazardous.
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GHS label elements, including precautionary statements

	Not a hazardous substance or mixture.
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Hazards not otherwise classified (HNOC) or not covered by GHS

	No data available
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3. Composition/Information on Ingredients

Ingredient	CAS No.	EC No.	Mass Fraction (%)
Solid · Agarose	9012-36-6	232-731-8	12.0
Solid · Polymethyl Methacrylate (PMMA)	9011-14-7	618-466-4	88.0

4. First-Aid Measures

First-Aid Measures

General Advice	First aid measures are generally required. Show this SDS to attending medical personnel.
Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes. Seek medical attention if irritation persists.
Skin Contact	Immediately remove contaminated clothing. Wash skin thoroughly with soap and plenty of water. Seek medical attention if discomfort occurs.
Ingestion	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Immediately call a physician or poison control center.
Inhalation	If dust from the product is inhaled, remove the victim to fresh air and keep the respiratory tract unobstructed. Seek medical attention promptly if chest tightness, coughing or other discomfort occurs.
Protective Equipment for First Aiders	Ensure medical staff are aware of the product hazards and wear appropriate personal protective equipment to avoid cross-contamination.

Most Important Symptoms and Effects, Acute and Delayed

1、	Limited evidence suggests repeated or long-term occupational
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	exposure may lead to cumulative adverse effects on organs or biochemical systems.
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Immediate Medical Attention and Special Treatment Instructions

1、	Treat symptomatically.
2、	Note that symptoms may appear with a delay.

5. Fire-Fighting Measures

Fire Extinguishing Media

Suitable Extinguishing Media	Any suitable fire suppression method may be used.
Unsuitable Extinguishing Media	None.

Advice for Firefighters

1、	Wear self-contained breathing apparatus (MSHA/NIOSH approved or equivalent) and full protective clothing during fire suppression.
2、	Fight fire from a safe distance with full protective gear.
3、	Prevent fire-fighting water from contaminating surface water and groundwater systems.

6. Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures

1、	Avoid inhalation of product dust and contact with skin and eyes.
2、	Avoid inhaling product dust and prevent skin/eye contact
3、	Emergency responders shall wear positive-pressure self-contained breathing apparatus, chemical-resistant anti-static clothing and impermeable gloves.
4、	Ensure sufficient ventilation and eliminate all ignition sources.
5、	Evacuate personnel to upwind safe zones away from spill area.

Environmental Precautions

1、	Prevent further leakage or spillage if safe to do so.
2、	Avoid release to the environment.

Methods and Materials for Containment and Clean-up

1、	Absorb small spills with dry sand or inert absorbent materials; dike large spills for containment.
2、	Collect contaminated residues into sealed appropriate containers and

dispose of in compliance with local laws and regulations.

7. Handling and Storage

Handling Precautions

1、	Avoid inhaling vapors.
2、	Only use non-sparking tools.
3、	Ground all metal equipment components to prevent electrostatic discharge ignition of vapors.
4、	Operate in a well-ventilated area.
5、	Wear appropriate personal protective equipment.
6、	Avoid skin contact and eye exposure.
7、	Keep away from heat, sparks, open flames and hot surfaces.

Storage Precautions

1、	Keep containers tightly sealed.
2、	Store in a cool, dry and well-ventilated location.
3、	Keep away from heat, sparks, open flames and hot surfaces.
4、	Store separately from incompatible materials and food containers.

8. Exposure Controls/Personal Protection

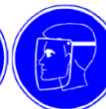
Monitoring Methods

1、	BS EN 14042 Workplace atmospheres – Guidance for application and use of procedures for the assessment of exposure to chemical and biological agents
2、	GBZ/T 300-2017 Determination of Toxic Substances in Workplace Air

Engineering Controls

1、	Maintain adequate ventilation, especially in enclosed spaces.
2、	Install eyewash and safety shower facilities near work areas.
3、	Use explosion-proof electrical, ventilation and lighting equipment.
4、	Set up emergency evacuation routes and necessary spill containment zones.

Personal Protective Equipment (PPE)

General Requirements	     
Eye Protection	Chemical safety goggles complying with EU EN 166 or US NIOSH standards.
Hand Protection	Chemical-resistant gloves (e.g., butyl rubber gloves). Select gloves tested

Respiratory Protection	to EU EN 374, US F739 or AS/NZS 2161.1 standards.
Skin & Body Protection	wear full-face respirator equipped with AX/P combined filter cartridges (compliant with EN 14387)
	Flame-retardant anti-static protective clothing and anti-static safety boots.

9. Physical and Chemical Properties

Information On Basic Physical and Chemical Properties

Appearance and Odor	Transparent shell with off-white solid; odorless
Odor Threshold	No data available
pH Value	No data available
Melting/Freezing Point (°C)	150 (PMMA)
Initial Boiling Point and Boiling Range (°C)	100 (PMMA)
Flash Point (Closed Cup, °C)	250 (PMMA)
Evaporation Rate	No data available
Flammability (Solid/Gas)	Not applicable
Upper/Lower Explosion Limits (% v/v)	No data available
Vapor Pressure (kPa)	No data available
Vapor Density (Air=1)	No data available
Relative Density (Water=1)	1.15–1.19 (PMMA)
Solubility (mg/L)	Insoluble in water
Octanol-Water Partition Coefficient	No data available
Autoignition Temperature (°C)	No data available
Decomposition Temperature (°C)	No data available
Viscosity (mm²/s)	No data available
Appearance and Odor	Transparent shell with off-white solid; odorless

10. Stability and Reactivity

Information On Basic Stability and Reactivity

Reactivity	None
Chemical Stability	Stable under proper handling and storage conditions.
Possibility of Hazardous Reactions	None
Conditions to Avoid	Incompatible materials, heat, open flames and sparks
Incompatible Materials	None
Hazardous Decomposition Products	No hazardous decomposition products generated under normal storage and use conditions.

11. Toxicological Information

Acute Toxicity

Ingredient	CAS No.	Oral LD ₅₀	Dermal LD ₅₀	Inhalation LC ₅₀ (4 h)
Polymethyl Methacrylate	9011-14-7	15,000 mg/kg (rat)	No data available	40 mg/L (mouse)

Carcinogenicity

ID	CAS No.	Ingredient Name	IARC Listing	NTP Listing
1	9011-14-7	Polymethyl Methacrylate	Not listed	Not listed

Other Toxicological Data

kin Corrosion/Irritation	No data available
Serious Eye Damage/Irritation	No data available
Skin Sensitization	No data available
Respiratory Sensitization	No data available
Reproductive Toxicity	No data available
Specific Target Organ Toxicity – Single Exposure	No data available
Specific Target Organ Toxicity – Repeated Exposure	No data available
Aspiration Hazard	No data available
Germ Cell Mutagenicity	No data available
Additional Reproductive Toxicity Hazards	No data available

12. Ecological Information

Acute Aquatic Toxicity

Ingredient	CAS No.	Fish	Crustaceans	Algae/Aquatic Plants
Polymethyl Methacrylate	9011-14-7	No data available	No data available	No data available

Chronic Aquatic Toxicity

Chronic Aquatic Toxicity	No data available
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Atmospheric Hazard Assessment

Assessment of Hazards to the Atmosphere	All components of this product are free of ozone-depleting substances (ODS) and controlled chemicals with high global warming potential (GWP). In accordance with the classification rules for hazards to the atmosphere set forth in Chapter 4.2 of the 11th revised edition of the UN Globally Harmonized System of Classification and Labelling of Chemicals
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(GHS Rev.11), this product poses no hazards to the atmosphere.

Other Ecological Properties

Eristence and Degradability	No data available
Bioaccumulation Potential	No data available
Mobility in Soil	No data available

13. Disposal Considerations

Disposal Considerations

Disposal of Waste Product Contaminated Packaging	Carry the product container or label when seeking medical advice.
Disposal Notes	Empty packaging may still contain residual hazardous materials; keep away from heat and ignition sources.
	Refer to the waste disposal section.

14. Transport Information

Maritime Shipping Rules (IMDG Code)

UN Number	None
UN Proper Shipping Name	Not assigned
Primary Transport Hazard Class	None
Subsidiary Transport Hazard Class	None
Packing Group	None
Special Transport Provisions	None

Air Transportation (ICAO/IATA-DG)

UN Number	None
UN Proper Shipping Name	Not assigned
Primary Transport Hazard Class	None
Subsidiary Transport Hazard Class	None
Packing Group	None
Excepted Quantities	None
Limited Quantity Packaging	None
Instructions (Passenger & Cargo Aircraft)	
Packaging Instructions (Passenger & Cargo Aircraft)	None

Maximum Net Quantity per Package (Passenger & Cargo Aircraft)	None
Cargo Aircraft Only Packaging Instructions	None
Maximum Net Quantity per Package (Cargo Only)	None
Special Transport Provisions	None

Road Transportation (UN-ADR)

UN Number	None
UN Proper Shipping Name	Not assigned
Primary Transport Hazard Class	None
Subsidiary Transport Hazard Class	None
Packing Group	None
Special Transport Provisions	None
Excepted Quantities	None

15. Regulatory Information

International Chemical Inventories

Ingredient	EINEC	TSCA	DSL	IECSC	NZIo	PICCS	KECI	AICS
Polymethyl	Listed	Listed	Listed	Listed	Listed	Listed	Listed	Listed

EINECS: European Inventory of Existing Commercial Chemical Substances

TSCA: US Toxic Substances Control Act Inventory

DSL: Canadian Domestic Substances List

IECSC: Inventory of Existing Chemical Substances in China

NZIoC: New Zealand Inventory of Chemicals

PICCS: Philippine Inventory of Chemicals and Chemical Substances

KECI: Korean Existing Chemicals Inventory

AICS: Australian Inventory of Chemical Substances

16. Other Information

Revision Record

Issue Date	2026/06/29
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Last Revision Date	2026/06/29
Version No.	V1.0

References

- [1] International Programme on Chemical Safety: International Chemical Safety Cards (ICSCs), <https://chemicalsafety.ilo.org/dyn/icsc/showcard.home>
- [2] International Agency for Research on Cancer (IARC), <https://www.iarc.who.int>
- [3] OECD Global Portal to Information on Chemical Substances, <https://www.echemportal.org>
- [4] US NOAA CAMEO Chemical Database, <https://cameochemicals.noaa.gov>
- [5] U.S. National Library of Medicine PubChem Chemical Database, <https://pubchem.ncbi.nlm.nih.gov>
- [6] U.S. EPA Integrated Risk Information System (IRIS), <https://iris.epa.gov/>
- [7] U.S. DOT Emergency Response Guide (ERG), <https://www.phmsa.dot.gov/training/hazmat/erg>
- [8] German GESTIS Hazardous Substance Database, <https://gestis-database.dguv.de/>

Abbreviations

CAS – Chemical Abstracts Service	TSCA – Toxic Substances Control Act
PC-STEL – Permissible Concentration-Short Term Exposure Limit	PC-TWA – Permissible Concentration-Time Weighted Average
DNEL – Derived No-Effect Level	IARC – International Agency for Research on Cancer
RPE – Respiratory Protective Equipment	PNEC – Predicted No-Effect Concentration
LC ₅₀ – Lethal Concentration for 50% of test subjects	LD ₅₀ – Lethal Dose for 50% of test subjects
NOEC – No Observed Effect Concentration	EC ₅₀ – Median Effective Concentration
PBT – Persistent, Bioaccumulative and Toxic	POW – Octanol-Water Partition Coefficient
BCF – Bioconcentration Factor	vPvB – Very Persistent and Very Bioaccumulative
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Disclaimer

This Safety Data Sheet complies with the 11th revised edition of the UN Globally Harmonized System of Classification and Labelling of Chemicals (GHS). The data contained herein are sourced from internationally authoritative databases and enterprise submissions, while additional information is based on the Company' s current available knowledge. Every reasonable effort has been made to ensure the accuracy of all information provided; however, due to diversified information sources and limitations of the Company' s existing knowledge, this document is for reference only. Users of this Safety Data Sheet shall judge the rationality of relevant information in accordance with their specific application scenarios.