

Material Safety Data Sheet

Section 1- Product Information

Product Name hlL12a(23-219)-His_hlL12b(23-328)

Catalog No. XXXXXX

Identified uses Biochemical research/analysis

Company BioMetas (Shanghai) Limited

2F, 330 Aidisheng Road Zhangjiang High Tech Park

Pudong New Area Shanghai, China

Section 2- Composition/information on ingredients

No components need to be disclosed according to the applicable regulations.

Section 3- Hazards Identification

HMIS Rating	
Health	0
Flammability	0
Reactivity	0
NFPA Rating	
Health	0
Flammability	0
Reactivity	0

For additional information on toxicity, please refer to Section 11.

Section 4- First Aid Measures

Orai Exposure	ii swallowed, wash out mouth with water provided
	person is conscious. Call a physician.
Inhalation Exposure	If inhaled, remove to fresh air. If breathing becomes
	difficult, call a physician.
Dermal Exposure	In case of skin contact, flush with copious amounts of
	water for at least 15 minutes. Remove contaminated
	clothing and shoes. Call a physician.
Eye Expose	In case of contact with eyes, flush with copious
•	amounts of water for at least 15 minutes. Assure

amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

If awallowed week out mouth with water provided

Section 5- Fire Fighting Measures

Flash Point Not available
Autoignition Temp Not available
Flammability Not available

Extinguishing Media Suitable Water spray. Carbon dioxide, dry chemical powder, or

appropriate foam.

Fire Fighting Protective Equipment Wear self-contained breathing apparatus and

protective clothing to prevent contact with skin and

eyes.

Specific Hazard(s) Emits toxic fumes under fire conditions

Section 6- Accidental Release Measures

Procedure to Be Followed in Case of Leak or Spill

Procedure(s) of Personal Precaution(s)

Methods for Cleaning Up

Evacuate area

Wear respirator, chemical safety goggles, rubber

boots, and heavy rubber gloves

Sweep up, place in a bag and hold for waste disposal.



Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

Section 7- Handling and Storage

Handling

User Exposure Avoid inhalation. Avoid contact with eyes, skin, and

clothing. Avoid prolonged or repeated exposure.

Storage Tightly closed.

Storage at -80°C. Transport with dry ice.

Section 8- Exposure Controls/Personal Protection Equipment

Engineering Controls Mechanical exhaust required

Personal Protective Equipment

Respiratory Use respirators and components tested and approved

under appropriate government standards such as NIOSH (US) or CEN (EU). Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1

(EN 143) respirator.

Other Wear appropriate government approved respirator,

chemical-resistant gloves, safety goggles, other

protective clothing.

General Hygiene Measures Wash thoroughly after handling

Section 9- Physical and Chemical Properties

Appearance

Physical State Form: liquid

Property

Not available BP/BP Range Not available MP/MP Range Not available Freezing Point Not available Vapor Pressure Not available Vapor Density Not available Saturated Vapor Conc. Not available Not available SG/Density **Bulk Density** Not available Odor Threshold Not available Volatile% Not available VOC Content Not available Not available Water Content Solvent Content Not available **Evaporation Rate** Not available Viscosity Not available Not available Surface Tension Partition Coefficient Not available Decomposition Temp. Not available Flash Point Not available

Section 10- Stability and Reactivity

Stability

Stable Stable

Hazardous Decomposition Products

Explosion Limits

Autoignition Temp

Refractive Index

Optical Rotation Miscellaneous Data

Flammability

Solubility

Hazardous Decomposition Products Nature of decomposition products not known

Not available

Not available

Not available

Not available Not available

Not available

Not available



Section	on 11- Toxicological Information	
Route	of Exposure	
	Skin Contact	May cause skin irritation
	Skin Absorption	May be harmful if absorbed through the skin
	Inhalation	Material may be irritating to mucous membranes and
Condit	Ingestion ions Aggravated by Exposure	upper respiratory tract, May be harmful if inhaled. May be harmful if swallowed The toxicological properties have not been thoroughly
Coridit	ions Aggravated by Exposure	investigated.
	on 12- Ecological Information	
Eco-to		
Toxicit	y of The Products of Biodegradation	The product itself and its products of degradation are not toxic.
	on 13- Disposal Considerations	
Approp	oriate Method of Disposal	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
	on 14- Transport Information	
DOT		
	Proper Shipping Name	None
IATA	Non-Hazardous for Transport	This substance is considered to be non-hazardous for transport.
IATA	Non-Hazardous for Air Transport	Non-hazardous for air transport
	on 15- Regulatory Information	
United	States Regulatory information	
	SARA Listed	No
Canad	a Regulatory Information	
	WHMIS Classification	This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.
	DSL	No
	NDSL	No
	on 16- Other Information	
Disclai	mer	For research use only

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 with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Sigma-Aldrich Corporation and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product.