

Japan Institute for the Control of Aging (JalCA)

MATERIAL SAFETY DATA SHEET

Date updated: December 28, 2009

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Product and Company Information

Product Name: Anti Hexanoyl-Lysine adduct (HEL)
monoclonal antibody

Product Number: MHL-020P / MHL-021P

Manufacture: Japan Institute for the Control of Aging (JalCA),
Nikken SEIL Co., Ltd.

Address: 710-1 Haruoka, Fukuroi-shi, Shizuoka, 437-0122 Japan

Technical Phone: +81-538-49-0125

Emergency Phone: +81-538-49-0125

FAX: +81-538-49-1267

Composition / Information on Ingredient

Substance Name	CAS Number
Antibody	None
Ingredient Name	CAS Number
The hazards are not identified with this product.	

Hazards Identification

Emergency Overview

HMIS Rating

Health: 0
Flammability: 0
Reactivity: 0

NFPA Rating

Health: 0
Flammability: 0
Reactivity: 0

First Aid Measures

Oral Exposure:

If swallowed, wash out mouth with water provided person is conscious.

Call a physician immediately.

Inhalation Exposure:

If inhaled, remove to fresh air. If not breathing, give artificial respiration.

Call a physician immediately.

Dermal Exposure:

In case of skin exposure, wash out with water for at least 15 minutes.

Remove contaminated clothing. Call a physician immediately.

Eye Exposure:

In case of eye exposure, wash out with water for at least 15 minutes.

Call a physician immediately.

Fire Fighting Measures

Explosion Hazards:	N/A
Flash Point:	N/A
Autoignition Temperature:	N/A
Flammability:	N/A
Extinguishing Media:	Water spray, carbon dioxide or dry chemical powder.
Firefighting:	Wear self –contained breathing apparatus and protective clothing to prevent with skin and eyes.

Accidental Release Measures

Procedure of Personal Precautions:

Wear respirator, chemical safety goggles, rubber boots and rubber gloves.

Clean-Up Procedure:

Spilled material should be wiped up.

Handling and Storage

Store below –20 degree C.

Exposure Controls

Engineering Controls:

Safety shower and eye bath. Mechanical exhaust required.

Personal Protective Equipment:

Respiratory: respirator.

Hand: rubber gloves.

Eye: goggles:

General Hygiene Measures:

Wash thoroughly after handling. Wash contaminated clothing before re-use.

Physical / Chemical Properties

Appearance: Lyophilized Powder

Property Value at Room Temperature:

Molecular Weight	N/A
PH	N/A
BP	N/A
MP	N/A
Freezing Point	N/A
Vapor Pressure	N/A
Vapor Density	N/A
Saturated Vapor Pressure	N/A
SG/ Density:	N/A
Bulk Density:	N/A
Odor Threshold:	N/A
Volatile:	N/A
VOC Content:	N/A
Water Content:	N/A
Solvent Content:	N/A
Evaporation Rate:	N/A
Viscosity:	N/A
Surface Tension:	N/A
Partition Coefficient:	N/A
Decomposition Temperature:	N/A
Flash Point:	N/A
Explosion Limits:	N/A
Flammability:	N/A
Autoignition Temperature:	N/A
Refractive Index:	N/A
Optical Rotation:	N/A
Miscellaneous Data:	N/A
Solubility:	N/A

Stability and Reactivity

Stability: Stable.

Materials to Avoid: N/A

Hazardous Decomposition Products: Nature of decomposition products is not known.

Toxicological Information

Route of Exposure:

Skin Contact: May cause skin irritation.

Eye Contact: May cause eye irritation.

Inhalation: May cause irritation at mucous membranes and upper respiratory tract.
Ingestion: May be harmful if swallowed.
Signs and Symptoms of Exposure: N/A

Ecological Information

N/A

Disposal Information

Contact a professional waste disposal service to dispose this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all environmental regulations.

Transport Information

This substance is considered to be Non-Hazardous for transport.
This substance is considered to be Non-Hazardous for air transport.

Regulatory Information

United States Classification and Label Text: N/A
United States Regulatory Information:
SARA Listed: No.

Other Information

This substance is For Research Use Only.
Not for drug, diagnostic, or other uses.