Japan Institute for the Control of Aging (JaICA)

MATERIAL SAFETY DATA SHEET

Date updated: July 13, 2007

Date created: September 14, 2004

Product and Company Information

Product Name:	Anti 8-hydroxy-2'-deoxyguanosine (8-OHdG) monoclonal antibody
Product Number:	MOG-020P/ MOG-100P
Manufacture:	Japan Institute for the Control of Aging (JaICA), Nikken SEIL Co., Ltd.
Address:	710-1 Haruoka, Fukuroi-shi, Shizuoka, 437-0122 Japan
Technical Phone:	+81-538-49-0125
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Composition / Information on Ingredient

Substance Name	CAS Number	
Antibody with less than 0.1% Sodium Azide	None	
Ingredient Name	CAS Number	
The hazards identified with this product are those associated with following component:		
Sodium Azide	26628-22-8	< 0.1%

Hazards Identification

Emergency Overview

Sodium azide may react with lead and copper plumbing to form highly explosive metal azides

HMIS Rating

Health:	0
Flammability:	0
Reactivity:	1

NFPA Rating

Health:	0
Flammability:	0
Reactivity:	1

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:

Azide reacts with lead, copper, mercury, silver and gold, and form explosive Compounds. Azide reacts with metal halides to form metal aside halides. In compatible with chromyl chloride, hydrazine, bromine, carbon disulfide, Dimethyl sulfate, dibromomalonitrile.

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: Avoid contact with Dimethyl sulfate, lead, copper, and acid.

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:

Many azides cause a fall in blood pressure and some enzyme inhibition. Laboratory experiments show that sodium azide produce a profound hypotensive Effect, demyelination of myelinated nerve fibers in the central nervous system, Testicular damage, blindness, attacks of rigidity, and hepatic and cerebral effects.

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:

Sodium azide may react with lead and copper plumbing to form highly explosive metal azides.

United States Regulatory Information:

SARA Listed: No.

Other Information

This substance is For Research Use Only.

Not for drug, diagnostic, or other uses.