

Material Safety Data Sheets

Product and Company

Product Name:

Antibodies

Product Catalog Number:

Includes antibodies within the following range of catalog numbers: ARP000001-01 to ORP1000000-108

Supplier Identification:

Yihyson Co. Ltd.

500 West Cummings Park, Suite 6500

Woburn, MA 01801

Tel: 1.781.569.5821

Composition/information on Hazardous Ingredients

Antibodies are from animal source as specified on product PDF datasheet. To properly use YIHYSON MSDS, please refer to product PDF datasheet to determine the exact attribute descriptions (ie exact concentrations of preservatives), and then refer to the appropriate safety regulation written below.

Component: Antibody**Chemical Name:** Sodium Azide % Conc.: 0.09%**CAS#:** 26628-22-8 **EC#:** 247-852-1**Classification (pure ingredient):** T+: R28,R38; N:R50/53**Component:** Antibody Preservative**Chemical Name:** Gentamicin Sulphate

% Conc.: 0.01%

CAS#: 1405-41-0 **EC#:** 215-778-9**Classification (pure ingredient):** R42/43,S45;36/37/39;22

Hazards Identification

Hazard Description

This product contains no hazardous constituents, or the concentrations of all chemical constituents are below the regulatory threshold limits described by Occupational Safety Health Administration Hazard Communication Standard 29CFR 1910.1200 and the European Directive 91/155/EEC.

Classification System

The classification was made according to the latest editions of the international substances lists, and expanded upon form company and literature data.

Emergency Overview**OSHA Hazards**

No known OSHA hazards

GHS Classification

Acute aquatic toxicity (Category 3)

Statements

Picogram: none

Signal Word: none

Hazard Statement(s): H402 Harmful to aquatic life

Precautionary Statement(s): none

HMIS Classification

Health Hazard: 0

Flammability: 0

Physical Hazards: 0

NFPA Rating

Health Hazard: 0

Fire: 0

Reactivity Hazards 0

Potential Health Effects**Inhalation:** May be harmful if inhaled. May cause respiratory tract irritation.**Skin:** May be harmful if absorbed through skin. May cause skin irritation.**Eyes:** May cause eye irritation.**Ingestion:** May be harmful if swallowed.

First Aid Measures

Inhalation

If inhaled, move to a location with fresh air. Seek medical attention if needed.

Skin Contact

Wash off with soap and plenty of water. Remove all contaminated personal protective equipment. Seek medical attention if needed.

Eyes

Flush eyes with water as a precaution. Seek medical attention if needed.

Ingestion

Rinse mouth with water. Do NOT induce vomiting. Seek medical attention if needed.

Accidental release Measures

Personal precautions

Not required.

Environmental Precautions

Do not let product enter drains. Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up

Keep in suitable, closed containers for disposal.

Handling and Storage

Handling

Information for safe handling: No special measures are required.

Information about protection from explosions and fires: No special measures are required

Storage

Recommended storage temperature: -20C or 4C

Conditions for safe storage

Exposure Control/Personal Protection

The product does not contain any substance with occupational hazard exposure limit values.

Personal Protective Equipment

General Protective and Hygienic measures

The standard precautions for handling chemicals should be followed.

Respiratory protection

Respiratory protection not required. In case of brief exposure, use a chemical fume hood or a type OV/AG (US) or type AHEK (EU EN 14387) respirator cartridges.

Hand Protection

Handle with chemical resistant gloves. Wash and dry hands.

Eye Protection

Use safety glasses tested and approved under appropriate government standards.

Skin and body protection**Physical and Chemical Properties****General Information**

Form: liquid or lyophilized

Color: colorless

Odor: odorless

Melting point: undetermined

Boiling point: undetermined

Flash point: undetermined

Auto ignition point: product is not self-igniting

Danger of explosion: product does not present an explosion hazard

Vapor Pressure: not applicable

Density: undetermined

Stability and Reactivity**Chemical stability**

Stable under recommended storage conditions

Possibility of hazardous reactions

No data available

Conditions to avoid

Freeze thaw cycles

Materials to Avoid

Strong oxidizers

Dangerous products of Decomposition

No dangerous decomposition products known

Toxicological Information**Acute Toxicity:**

Primary irritant effect

Skin: No irritating effect

Eye: No irritating effect

Additional toxicological information:

The product is not subject to OSHA classification according to internally approved calculation methods for preparations.

When used and handled according to specifications, this product does not have any harmful effects according to our

experience and the information provided to us.

Ecological Information**Ecotoxicological effects:**

The ecological effects have been thoroughly investigated, but currently none have been identified

General Notes:**Disposal Considerations****Recommendation:**

Must adhere to state and federal regulations. Smaller quantities can be disposed of with solid waste. Disposal must be made according to the regulations found in 40 CFR 261. This product is not considered a RCRA hazardous waste.

Contaminated Packaging:

Disposal must be made according to state and federal regulations.

Transport Information**Dot regulations**

Hazard Class: Non-hazardous for transport

Land transport

ADR/RID class: Non-hazardous for transport

Maritime transport

IMDG Class: Non-hazardous for transport

Air transport

ICAO/IATA Class: Non-hazardous for air transport

Regulatory Information**OSHA Hazards**

Not known OSHA hazard

SARA Section 355 (extremely hazardous)

None of the ingredients listed

SARA Section 313 (specific toxic chemical listings)

None of the ingredients listed

TSCA (Toxic Substances Control Act)

26628-22-8 Sodium Azide

Massachusetts Right to Know Components

Sodium Azide CAS-No. 26628-22-8 Revision Date 2007-07-01

Pennsylvania Right to Know Components

Sodium Azide CAS-No. 26628-22-8 Revision Date 2007-07-01

New Jersey Right to Know Components

Water CAS-No. 7732-18-5

California Proposition 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Other Information

Information given herein is offered in good faith as accurate, but without guarantee.

Conditions of use and suitability of the product for particular uses are beyond our control: all risks of use of the product are therefore assured by the user.