MBL A JSR Life Sciences Company

Medical & Biological Laboratories (MBL) Co., Ltd.

Date of revision: 06/03/2021

Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier:

Product name: Anti-HA-tag mAb-Biotin

Product code: M180-6

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the product: Research Use Only

1.3 Details of the supplier of the safety data sheet

Manufacturer and Supplier (Asia): Medical & Biological Laboratories (MBL) Co., Ltd.
Address: 1018-1 Terasawaoka, Ina, Nagano 396-0002, Japan
Division: SDS Support
Telephone number: +81-265-76-1777 (Monday to Friday, 9 AM to 5 PM JST)
e-mail address: sds-support@mbl.co.jp
Supplier: MBL International Corporation.
Address: 15A Constitution Way, Woburn, MA 01801, USA
Telephone number: +1-800-200-5459, option 3.
FAX: +1-781-939-6963
e-mail address: tech@mblintl.com/
Contact person: Technical Service
Emergency telephone number: +81-265-76-1777 (Monday to Friday, 9 AM to 5 PM JST)

2. Hazards identification

GHS classification and label elements of the product

2.1 Classification of the substance or mixture

Classification according to The Hazard Communication Standard -2012 (29 CFR 1910. 1200)
Not classified/ Classification not possible.

2.2 Label elements

Labelling according to The Hazard Communication Standard -2012(29 CFR 1910.1200)
No GHS label element
No Signal word

3. Composition/information on ingredients

Mixture/Substance selection:

3.2 Mixture

Ingredient name	CAS No.	Content (%)	ECNO	HAZCODE_EU
Sodium azide	26628-22-8	<0.1	247-852-1	Acute Tox. 2, H300; Aquatic Acute 1, H400; Aquatic Chronic 1, H410

4. First-aid measures

4.1 Descriptions of first-aid measures

General measures

Call a POISON CENTER or doctor/physician if you feel unwell.

IF INHALED

Remove person to fresh air and keep comfortable for breathing.

IF ON SKIN (or hair)

Wash with plenty of soap and water.

IF IN EYES

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF SWALLOWED

Rinse mouth.

5. Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media

Use appropriate extinguishing media suitable for surrounding facilities.

Unsuitable extinguishing media

Unsuitable extinguishing media data is not available.

5.2 Specific hazards arising from the substance or mixture

Specific hazards arising from the substance or mixture is not available.

5.3 Advice for firefighters

Specific fire-fighting measures

Evacuate non-essential personnel to safe area.

6. Accidental release measures

6.1 Personnel precautions, protective equipment and emergency procedures

Wear proper protective equipment.

6.2 Environmental precautions

Prevent spills from entering sewers, watercourses or low areas.

6.3 Methods and materials for containment and cleaning up

Absorb spill with inert material (dry sand, earth, et al), then place in a chemical waste container.

6.4 Reference to other sections

Refer to section 8

7. Handling and storage

7.1 Precautions for safe handling

Preventive measures

(Safety treatments)

Avoid contact with skin.

Avoid contact with eyes.

Preventive measures data is not available.

Safety measures data is not available.

Any incompatibilities data is not available.

Advice on general occupational hygiene

Do not get in eyes, on skin, or on clothing.

Wash hands thoroughly after handling.

7.2 Storage

Conditions for safe storage data is not available.

Container and packaging materials for safe handling data is not available.

7.3 Specific end use(s)

Research Used Only.

8. Exposure controls/personal protection

8.1 Control parameters

Adopted value

(Sodium azide)
ACGIH(1992) STEL: C (as Sodium azide) 0.29mg/m3; (as Hydrazoic acid vapor) 0.11ppm (Card impair; lung dam)

8.2 Exposure controls

Appropriate engineering controls

Do not use in areas without adequate ventilation.
Washing facilities should be available.

Individual protection measures

Hand protection

Wear protective gloves.

Skin and body protection

Wear protective clothing.

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Physical state: Liquid
Color: Colorless
Odor data is not available.
Melting point/Freezing point data is not available.
Boiling point or initial boiling point data is not available.
Flammability (gases, liquids and solids) data is not available.
Lower and upper explosion limit/flammability limit data is not available.
Flash point data is not available.
Auto-ignition temperature data is not available.
Decomposition temperature data is not available.
pH: Neutral
Kinematic viscosity data is not available.
Solubility:

Solubility in water: good
Solubility in solvent data is not available.

n-Octanol/water partition coefficient data is not available.
Vapor pressure data is not available.
Density and/or relative density data is not available.
No Particle characteristics data is not available.

10. Stability and Reactivity

10.1 Reactivity

Reactivity data is not available.

10.2 Chemical stability

Stable under normal storage/handling conditions.

10.3 Possibility of hazardous reactions

Possibility of hazardous reactions data is not available.

10.4 Conditions to avoid

Conditions to avoid data is not available.

10.5 Incompatible materials

Incompatible materials data is not available.

10.6 Hazardous decomposition products

Hazardous decomposition products data is not available.

11. Toxicological Information

11.1 Information on toxicological effects

Acute toxicity data is not available.

Irritant properties
Skin corrosion/irritation data is not available.
Serious eye damage/irritation data is not available.
Allergenic and sensitizing effects data is not available.
Mutagenic effects data is not available.
Carcinogenicity
(Sodium azide)
ACGIH-A4(1992) : Not Classifiable as a Human Carcinogen
Teratogenic effects data is not available.
Reproductive toxicity data is not available.
STOT
STOT-single exposure data is not available.
STOT-repeated exposure data is not available.
Aspiration hazard data is not available.

12. Ecological Information

12.1 Ecotoxicity
Ecotoxicity data is not available.
Water solubility
(Sodium azide)
good (41.7 g/100 ml, 17℃) (ICSC, 2014)
12.2 Persistence and degradability
(Sodium azide)
Degradation measured by HPLC : 1% (Registered chemicals data check & review)
12.3 Bioaccumulative potential
(Sodium azide)
log Pow <= 0.3 (Check & Review, Japan)
12.4 Mobility in soil
Mobility in soil data is not available.
12.7 Other adverse effects
Ozone depleting chemical data is not available.

13. Disposal considerations

Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging
13.1 Waste treatment methods
Dispose of contents/container in accordance with local/national regulation.
Contaminated packing
Dispose of container after using the contents completely.

14. Transport Information

UN No., UN CLASS
14.1 UN No. or ID No.: Not applicable
14.2 UN Proper Shipping Name : Not applicable
14.3 Class or division (Transport hazard class) : Not applicable
14.4 Packing group: Not applicable
Not applicable to IMDG Code
Not applicable to IATA Dangerous Goods Regulations
14.5 Environmental hazards
MARPOL Annex III - Prevention of pollution by harmful substances
Marine pollutants (yes/no) : no
14.6 Special precautions for user

Special precautions for user is not applicable.

15. Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Chemicals listed in TSCA Inventory

Sodium azide

Other regulatory information

US regulations

This products is not hazardous according to OSHA 29CFR 1910.1200

California Proposition 65 – Carcinogens & Reproductive Toxicity (CRT): Not listed.

EU Regulations

REACH 1907/2006 EC –Annex XIV– list of substance subject to authorization.

Not ingredients listed.

15.2 Chemical safety assessment

No chemical safety assessment has been carried out for this product.

16. Other information

GHS classification and labelling

Acute Tox. 2: H300 Fatal if swallowed.

Aquatic Acute 1: H400 Very toxic to aquatic life.

Aquatic Chronic 1: H410 Very toxic to aquatic life with long-lasting effects.

Reference Book

Globally Harmonized System of classification and labelling of chemicals, UN

Recommendations on the TRANSPORT OF DANGEROUS GOODS 21th edit., 2019 UN

IMDG Code, 2018 Edition (Incorporating Amendment 39-18)

IATA Dangerous Goods Regulations (62nd Edition) 2021

EU REGULATION (EC) No. 1272/2008 (CLP), amended by COMMISSION REGULATION (EU) 2019/521

2020 EMERGENCY RESPONSE GUIDEBOOK (US DOT)

2020 TLVs and BEIs. (ACGIH)

Supplier's data/information

Revision information

Issue date: 01/22/2014

Most modern edition: 06/03/2021

General Disclaimer

This information is provided without warranty. The information is believed to be correct.
This information should be used to make an independent determination of the methods to safeguard workers and the environment.
This data sheet was created based on the information we currently have and may be revised according to new information. In addition, the precautions apply only to normal handling, and in the case of special handling, please make adequate countermeasure to maintain your safety.