Issue date: 26/Feb/2025
Revision date: 21/May/2025

Safety Data Sheet

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

1.1 Product identifier:
Product name: Anti-Fas (CD95) (Human) mAb-PE
SDS NO：MD_10_5_E-2
Product code:MD-10-5

1.2 Relevant identified uses of the substance or mixture and uses advised against
Relevant identified uses of the product: Research and Development

1.3 Details of the supplier of the safety data sheet
Supplier: Medical & Biological Laboratories Co., Ltd.
Address: 1018-1 Terasawaoka, Ina-shi, Nagano-ken 396-0002, Japan
Division: SDS Support
Telephone number: +81-265-76-1777
e-mail address: sds-support@mbl.co.jp

1.4 Emergency telephone number: +81-265-76-1777 (Monday to Friday, 9 AM to 5 PM JST)

Section 2. Hazards identification

GHS classification and label elements of the product

2.1 Classification of the substance or mixture
Classification according to Hazard Communication Standard - 2012 (29 CFR 1910.1200)
Not classified/Classification not possible

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

2.3 Other hazards
The product does not contain any ingredient designated as PBT and/or vPvB.
The product does not contain any ingredients designated as Endocrine disrupting properties.

Section 3. Composition/information on ingredients

Mixture/Substance selection:

3.2 Mixture

Ingredient name	Content (%)	CAS No.	EC No.	Classification according to REGULATION (EC) No.1272/2008 [CLP]
Albumin, Bovine	1.00	9048-46-8	232-936-2	-
Water	95.00<	7732-18-5	231-791-2	-
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	0.0015	55965-84-9	-	Acute Tox. 2, H330; Acute Tox. 2, H310; Acute Tox. 3, H301; Skin Corr. 1C, H314; Eye Dam. 1, H318; Skin Sens. 1A, H317; Aquatic Acute 1, H400; Aquatic Chronic 1, H410;EUH071 [SCL's, M-Factors, ATE, Component notes] Skin Corr. 1C; : C >= ,6 %;Skin Irrit. 2; H315: ,06 % =< C < ,6 %;Eye Dam. 1; : C >= ,6 %;Eye Irrit. 2; H319: ,06 % =< C < ,6 %;Skin Sens. 1A; : C >= ,0015 %;M=100;M=100;note:[B]

Components contributing to the hazard

The product does not contain any ingredients listed in REACH SVHC candidate list.

Section 4. First-aid measures

4.1 Descriptions of first-aid measures

General measures

P314-Get medical advice/attention if you feel unwell.

IF INHALED

P304 + P312-IF INHALED: Call a POISON CENTER/doctor/physician if you feel unwell.

IF ON SKIN (or hair)

P302 + P352-Wash with plenty of soap and water.

IF IN EYES

P305 + P351 + P338-Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF SWALLOWED

P301 + P312-IF SWALLOWED: Call a POISON CENTER/doctor/physician if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed

Specific information on symptom and effect are unknown.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Section 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.

Special protective equipment and precautions for fire-fighters

P280-Wear protective gloves/protective clothing/eye protection/face protection.

Section 6. Accidental release measures

6.1 Personnel precautions, protective equipment and emergency procedures

Stop leak if safe to do so.

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.

Preventive measures for secondary accident

P376-Stop leak if safe to do so.

Stop leak if you can do it without risk.

Prevent entry into waterways, sewers, basements or confined areas.

6.4 Reference to other sections

Refer to section 13

Section 7. Handling and storage

7.1 Precautions for safe handling

Preventive measures

(Exposure Control for handling personnel)

P260-Do not breathe dust/fume/gas/mist/vapors/spray.

Safety Measures

P280-Wear protective gloves/protective clothing/eye protection/face protection.

Any incompatibilities data is not available.

Advice on general occupational hygiene

P264-Wash contaminated parts thoroughly after handling.

P270-Do not eat, drink or smoke when using this product.

7.2 Storage

Conditions for safe storage

P233-Keep container tightly closed.

P235 + P410-Keep cool. Protect from sunlight.

P401-Store in accordance with local/national regulation.

Container and packaging materials for safe handling

P234-Keep only in original packaging.

7.3 Specific end use(s)

For the relevant identified use(s)listed in Section 1 the advice mentioned in this section 7 is to be observed.

Section 8. Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limit

ACGIH

Not established

EU Occupational exposure limit values (Workplace Exposure limits) compliant to relevant EU Directive through 91/332/EEC to 2019/1831/EU

Not established

Derived No-Effect Level (DNEL)

No DNELs available.

Predicted No-Effect Concentrations (PNEC)

No PNECs available.

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.

Eye protection

Wear eye/face protection.

Skin and body protection

Wear protective clothing.

Section 9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Physical state: Liquid

Color: Pink

Odor data is not available.

Odor threshold data is not available.

Melting point/Freezing point data is not available.
Boiling point or initial boiling point data is not available.
Boiling range 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: 7.0-7.5
Kinematic viscosity data is not available.
Solubility:
Solubility in water data is not available.
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.
Relative vapor density (Air=1) data is not available.
Particle characteristics data is not available.

9.2 Other information

Other information is not available.

Section 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.

Section 11. Toxicological Information

11.1 Information on toxicological effects

Acute toxicity

Acute toxicity (Oral)

[Table 3 of Annex VI to the CLP Regulations]
(Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1))
Category 3

Acute toxicity (Dermal)

[Table 3 of Annex VI to the CLP Regulations]
(Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1))
Category 2

Acute toxicity (Inhalation)

[Table 3 of Annex VI to the CLP Regulations]
(Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1))

Category 2
Irritant properties
Skin corrosion/irritation
[Table 3 of Annex VI to the CLP Regulations]
(Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1))
Category 1C
Serious eye damage/irritation
[Table 3 of Annex VI to the CLP Regulations]
(Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1))
Category 1
Sensitization
Respiratory sensitization
Skin sensitization
[Table 3 of Annex VI to the CLP Regulations]
(Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1))
Category 1A
Mutagenic effects data is not available.
Carcinogenic effects data is not available.
Reproductive toxicity
Aspiration hazard data is not available.
11.2 Information on other hazards
Endocrine disrupting properties is not available.

Section 12. Ecological Information
12.1 Toxicity
Aquatic toxicity
Hazardous to the aquatic environment, short-term (acute)
[Table 3 of Annex VI to the CLP Regulations]
(Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1))
Category 1
Hazardous to the aquatic environment, long-term (chronic)
[Table 3 of Annex VI to the CLP Regulations]
(Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1))
Category 1
12.2 Persistence and degradability
Persistence and degradability data is not available.
12.3 Bioaccumulative potential
Bioaccumulative potential data is not available.
12.4 Mobility in soil
Mobility in soil data is not available.
12.5 Results of PBT and vPvB assessment
PBT and/or vPvB assessment data is not available.
12.6 Endocrine disrupting properties
Endocrine disrupting properties is not available.
12.7 Other adverse effects
PMT and/or vPvM assessment data is not available.
Ozone depleting chemical data is not available.

Section 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

P273-Avoid release to the environment.

P501-Dispose of contents/container in accordance with local/national regulation.

Contaminated packing

Dispose of container after using the contents completely.

Section 14. Transport Information

UN No., UN CLASS

14.1 UN Number or ID Number : Not regulated

14.2 UN Proper Shipping Name : Not regulated

14.3 Class or division (Transport hazard class) : Not regulated

14.4 Packing group : Not regulated

ADR (European Agreement concerning the International Carriage of Dangerous Goods by Road)

14.1 UN Number or ID Number : Not regulated

14.2 UN Proper Shipping Name : Not regulated

14.3 Class or division (Transport hazard class) : Not regulated

14.4 Packing group : Not regulated

ADN (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways)

14.1 UN Number or ID Number : Not regulated

14.2 UN Proper Shipping Name : Not regulated

14.3 Class or division (Transport hazard class) : Not regulated

14.4 Packing group : Not regulated

RID (Regulation concerning the International Carriage of Dangerous goods by Rail)

14.1 UN Number or ID Number : Not regulated

14.2 UN Proper Shipping Name : Not regulated

14.3 Class or division (Transport hazard class) : Not regulated

14.4 Packing group : Not regulated

IMDG Code (International Maritime Dangerous Goods Regulations)

14.1 UN Number or ID Number : Not regulated

14.2 UN Proper Shipping Name : Not regulated

14.3 Class or division (Transport hazard class) : Not regulated

14.4 Packing group : Not regulated

IATA (Dangerous Goods Regulations)

14.1 UN Number or ID Number : Not regulated

14.2 UN Proper Shipping Name : Not regulated

14.3 Class or division (Transport hazard class) : Not regulated

14.4 Packing group : Not regulated

14.5 Environmental hazards

Marine pollutants (yes/no) : no

14.6 Special precautions for user

Special precautions for user is not applicable.

14.7 Maritime transport in bulk according to IMO instruments

MARPOL Annex II - Noxious Liquid Substances

Non Noxious Liquid Substances ; Cat. OS

Water

MARPOL Annex V - HME (Harmful to the Marine Environment)

Not applicable to Maritime transport in bulk according to IMO instruments.

Section 15. Regulatory Information

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

The product does not contain any ingredients listed in REACH SVHC candidate list.

U.S. Toxic Substances Control Act (TSCA) Inventory

Chemicals listed in TSCA Inventory

Water; Albumin, Bovine

15.2 Chemical safety assessment

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

Section 16. Other information

Full text of Hazard categories and Hazard statements referred to only section 3

Acute Tox. 3, H301 - Acute toxicity, Category 3: H301 Toxic if swallowed

Acute Tox. 2, H310 - Acute toxicity, Category 2: H310 Fatal in contact with skin

Skin Corr. 1C, H314 - Skin corrosion/irritation, Category 1C: H314 Causes severe skin burns and eye damage

Skin Irrit. 2, H315 - Skin corrosion/irritation, Category 2: H315 Causes skin irritation

Skin Sens. 1A, H317 - Skin sensitization, Category 1A: H317 May cause an allergic skin reaction

Eye Dam. 1, H318 - Serious eye damage/eye irritation, Category 1: H318 Causes serious eye damage

Eye Irrit. 2, H319 - Serious eye damage/eye irritation, Category 2: H319 Causes serious eye irritation

Acute Tox. 2, H330 - Acute toxicity, Category 2: H330 Fatal if inhaled

Aquatic Acute 1, H400 - Hazardous to the aquatic environment, short-term (acute), Category 1: H400 Very toxic to aquatic life

Aquatic Chronic 1, H410 - Hazardous to the aquatic environment, long-term (chronic), Category 1: H410 Very toxic to aquatic life with long lasting effects

EUH071 - Corrosive to the respiratory tract

References and sources for data

Globally Harmonized System of classification and labelling of chemicals, UN Recommendations on the TRANSPORT OF DANGEROUS GOODS 23rd edit., 2023 UN

IMDG Code, 2024 Edition (Incorporating Amendment 42-24)

IATA Dangerous Goods Regulations (66th Edition) 2025

2024 EMERGENCY RESPONSE GUIDEBOOK (US DOT)

2025 TLVs and BEIs. (ACGIH)

Supplier's data/information

Hazard Communication Standard - 2012 (29 CFR 1910.1200)

Chemicals safety data management system "GHS Assistant" Version 4.33 (https://www.asahi-ghs.com/)

Revision information

Issue date:26/Feb/2025

Revision date(2nd):21/May/2025

General Disclaimer

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.

The data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the products' properties.