MBL A JSR Life Sciences Company
Medical & Biological Laboratories (MBL) Co., Ltd.

Date of revision: 11/10/2021

Safety Data Sheet

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

1.1 Product identifier:
Product name: Mouse IL-18 ELISA Kit
Product code: 7625
Components: Conjugate reagent

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.
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 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

3. Composition/information on ingredients

Mixture/Substance selection:
3.2 Mixture

Ingredient name	CAS No.	Content (%)	ECNO	HAZCODE_EU
Glycerin	56-81-5	≦30	200-289-5	-
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	55965-84-9	0.0015≦-<0.06	-	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

4. First-aid measures

4.1 Descriptions of first-aid measures
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 eye irritation persists: Get medical advice/attention.

IF SWALLOWED

Rinse mouth.

4.2 Most important symptoms and effects, both acute and delayed

(Symptoms when skin and/or eye contact)

Dry skin

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

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

Keep container tightly closed.

Keep cool. Protect from sunlight.
Container and packaging materials for safe handling data is not available.
7.3 Specific end use(s)
Research Use Only.

8. Exposure controls/personal protection

8.1 Control parameters
Adopted value
Adopted value in ACGIH is not available.
OSHA-PEL
(Glycerin)
TWA: 15mg/m3 (Total dust)
TWA: 5mg/m3 (Respirable fraction)
NIOSH-REL
(Glycerin)
See Appendix D
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.

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties
Physical state: Liquid
Color: Blue
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: Miscible
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.
Carcinogenic effects data is not available.
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.
11.2 Information on other hazards
Endocrine disrupting properties is not available.

12. Ecological Information

12.1 Ecotoxicity
Ecotoxicity data is not available.
Water solubility
(Glycerin)
miscible (ICSC, 2006)
12.2 Persistence and degradability
Persistence and degradability data is not available.
12.3 Bioaccumulative potential
(Glycerin)
log Pow=-1.76 (ICSC, 2006)
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

Glycerin

15.2 Chemical safety assessment

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

16. Other information

The product is not applicable to GHS classifications.

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
Hazard Communication Standard – 2012 (29 CFR 1910.1200)

Revision information

Issue date: 08/27/2014

Most modern edition: 11/10/2021

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.

Date of revision: 11/10/2021

Safety Data Sheet

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

1.1 Product identifier:
Product name: Mouse IL-18 ELISA Kit
Product code: 7625
Components: Stop solution

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.
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 Hazard Communication Standard – 2012 (29 CFR 1910.1200)
HEALTH HAZARDS
Skin corrosion/irritation: Category 1
Serious eye damage/eye irritation: Category 1
2.2 Label elements
Labelling according to Hazard Communication Standard – 2012 (29 CFR 1910.1200)

Signal word: Danger
HAZARD STATEMENT
H314 Causes severe skin burns and eye damage
H318 Causes serious eye damage
PRECAUTIONARY STATEMENT
Prevention
P260 Do not breathe dust/fume/gas/mist/vapors/spray.
P264 Wash contaminated parts thoroughly after handling.
P280 Wear protective gloves, protective clothing or face protection.
P280 Wear eye protection/face protection.
Response
P321 Specific treatment is required.
P310 Immediately call a POISON CENTER or doctor/physician.
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse skin with water/shower.
P363 Wash contaminated clothing before reuse.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
Disposal
P501 Dispose of contents/container in accordance with local/national regulation.

3. Composition/information on ingredients

Mixture/Substance selection:
3.2 Mixture

Ingredient name	CAS No.	Content (%)	ECNO	HAZCODE_EU
Sulfuric acid	7664-93-9	<5	231-639-5	Skin Corr. 1A, H314; (Eye Irrit. 2, H319)

4. First-aid measures

4.1 Descriptions of first-aid measures
General measures
Immediately call a POISON CENTER or doctor/physician.
IF INHALED
Remove person to fresh air and keep comfortable for breathing.
IF ON SKIN (or hair)
Take off immediately all contaminated clothing. Rinse skin with water/shower.
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. Do NOT induce vomiting.
4.3 Indication of any immediate medical attention and special treatment needed
Specific treatment is required.

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.
5.3 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.

7. Handling and storage

7.1 Precautions for safe handling

Preventive measures

(Exposure Control for handling personnel)

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

(Safety treatments)

Avoid contact with skin.

Avoid contact with eyes.

Safety Measures

Wear protective gloves, protective clothing or face protection.

Wear eye protection/face protection.

Any incompatibilities data is not available.

Advice on general occupational hygiene

Wash contaminated parts thoroughly after handling.

Wash contaminated clothing before reuse.

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 use only.

8. Exposure controls/personal protection

8.1 Control parameters

Adopted value

(Sulfuric acid)

ACGIH(2000) TWA: 0.2mg/m3(T) (Pulm func)

OSHA-PEL

(Sulfuric acid)

TWA: 1mg/m3

NIOSH-REL

(Sulfuric acid)

TWA: 1mg/m3

8.2 Exposure controls

Appropriate engineering controls

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: pH <= 2
Kinematic viscosity data is not available.
Solubility:
Solubility in water: Miscible
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
Chemical stability data is not available.
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
[GHS Cat. based on pH]
pH <= 2, accordingly Skin corrosion/irritation: Category 1
Serious eye damage/irritation
[GHS Cat. based on pH]
pH <= 2, accordingly Serious eye damage/eye irritation: Category 1
Allergenic and sensitizing effects data is not available.
Mutagenic effects data is not available.
Carcinogenicity
(Sulfuric acid)
IARC-Gr.1: Carcinogenic to humans
(Sulfuric acid)
ACGIH-A2(2000): Suspected 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

(Sulfuric acid)

miscible (ICSC, 2000)

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.

12.7 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.: 2796

14.2 UN Proper Shipping Name:

SULPHURIC ACID with not more than 51% acid or BATTERY FLUID, ACID

14.3 Class or division (Transport hazard class): 8

14.4 Packing group: II

ERG GUIDE No.: 157

IMDG Code (International Maritime Dangerous Goods Regulations)

14.1 UN No.: 2796

14.2 Proper Shipping Name:

SULPHURIC ACID with not more than 51% acid or BATTERY FLUID, ACID

14.3 Class or division: 8

14.4 Packing group: II

IATA Dangerous Goods Regulations

14.1 UN No.: 2796

14.2 Proper Shipping Name:

SULPHURIC ACID with not more than 51% acid or BATTERY FLUID, ACID

14.3 Class or division: 8

Hazard labels: Corrosive

14.4 Packing group: II

Passenger and cargo aircraft_Excepted quantity code: E2

Passenger and cargo aircraft_(Ltd Qty) Packing instructions : Y840

Passenger and cargo aircraft_(Ltd Qty) Max Net Qty/Pkg : 0.5L

Passenger and cargo aircraft_Packing instruction: 851

Passenger and cargo aircraft_Max Net Qty/Pkg: 1L

Cargo aircraft only_Packing instruction: 855

Cargo aircraft only_Max Net Qty/Pkg: 30L

ERG code: 8L

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

Sulfuric acid

Superfund Amendments and Reauthorizations Act (SARA), Title III

SARA 313 (TRI) Reporting Year 2020

Sulfuric acid (No category)

California proposition 65

Cancer

Strong inorganic acid mists containing sulfuric acid.

15.2 Chemical safety assessment

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

16. Other information

GHS classification and labelling

Skin Corr. 1: H314 Causes severe skin burns and eye damage

Eye Dam. 1: H318 Causes serious eye damage

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

Hazard Communication Standard – 2012 (29 CFR 1910.1200)

Revision information

Issue date: 08/27/2014

Most modern edition: 11/10/2021

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.

Date of revision: 11/10/2021

Safety Data Sheet

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

1.1 Product identifier:

Product name: Mouse IL-18 ELISA Kit

Product code: 7625

Components: Assay diluent

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: 08/27/2014

Most modern edition: 11/10/2021

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.

Date of revision: 11/10/2021

Safety Data Sheet

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

1.1 Product identifier:
Product name: Mouse IL-18 ELISA Kit
Product code: 7625
Components: Mouse IL-18 calibrator

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 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

3. Composition/information on ingredients

Mixture/Substance selection:
3.2 Mixture

Ingredient name	CAS No.	Content (%)	ECNO	HAZCODE_EU
Non hazardous substance	-	-	-	-

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 skin irritation occurs: Get medical advice/attention.

IF IN EYES

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.

IF SWALLOWED

Rinse mouth.

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

Specific treatment (see ... on this label)(... reference to supplemental first aid instruction)(may include a cleansing agent specified by the manufacturer/supplier or the competent authority).

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.

7. Handling and storage

7.1 Precautions for safe handling

Preventive measures

(Safety treatments)

Avoid contact with skin.
Avoid contact with eyes.

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.
Do not eat, drink or smoke when using this product.
Wash hands thoroughly after handling.

7.2 Storage

Conditions for safe storage

Keep container tightly closed.
Keep cool. Protect from sunlight.

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

7.3 Specific end use(s)

Research use only.

8. Exposure controls/personal protection

8.1 Control parameters

Adopted value

Adopted value in ACGIH is not 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.

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Physical state: Powder or Granules.

Color: data is not available.

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 data is not available.

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.

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.

Carcinogenic effects data is not available.

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.

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.

12.7 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

15.2 Chemical safety assessment

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

16. Other information

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
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Supplier's data/information
Hazard Communication Standard – 2012 (29 CFR 1910.1200)

Revision information

Issue date: 08/27/2014
Most modern edition: 11/10/2021

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Date of revision: 11/10/2021

Safety Data Sheet

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

1.1 Product identifier:
Product name: Mouse IL-18 ELISA Kit
Product code: 7625
Components: Microwells

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 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

3. Composition/information on ingredients

Mixture/Substance selection:
3.2 Mixture

Ingredient name	CAS No.	Content (%)	ECNO	HAZCODE_EU
Non hazardous substance	-	-	-	-

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 skin irritation occurs: Get medical advice/attention.

IF IN EYES

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.

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.

7. Handling and storage

7.1 Precautions for safe handling

Preventive measures

(Safety treatments)

Avoid contact with skin.
Avoid contact with eyes.

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.
Do not eat, drink or smoke when using this product.
Wash hands thoroughly after handling.

7.2 Storage

Conditions for safe storage

Keep container tightly closed.
Keep cool. Protect from sunlight.

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

7.3 Specific end use(s)

Research use only.

8. Exposure controls/personal protection

8.1 Control parameters
Adopted value
Adopted value in ACGIH is not 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.

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties
Physical state: Solid
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 data is not available.
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.
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.
Carcinogenic effects data is not available.
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.
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.
12.7 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
15.2 Chemical safety assessment
No chemical safety assessment has been carried out for this product.

16. Other information

Reference Book
Globally Harmonized System of classification and labelling of chemicals, UN
Recommendations on the TRANSPORT OF DANGEROUS GOODS 21th edit., 2019 UN
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Date of revision: 11/10/2021

Safety Data Sheet

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

1.1 Product identifier:
Product name: Mouse IL-18 ELISA Kit
Product code: 7625
Components: Wash concentrate

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 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

3. Composition/information on ingredients

Mixture/Substance selection:
3.2 Mixture

Ingredient name	CAS No.	Content (%)	ECNO	HAZCODE_EU
Non hazardous substance	-	-	-	-

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 skin irritation occurs: Get medical advice/attention.

IF IN EYES

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.

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.

7. Handling and storage

7.1 Precautions for safe handling

Preventive measures

(Safety treatments)

Avoid contact with skin.
Avoid contact with eyes.

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.
Do not eat, drink or smoke when using this product.
Wash hands thoroughly after handling.

7.2 Storage

Conditions for safe storage

Keep container tightly closed.
Keep cool. Protect from sunlight.

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

7.3 Specific end use(s)

Research use only.

8. Exposure controls/personal protection

8.1 Control parameters
Adopted value
Adopted value in ACGIH is not 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.

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 data is not available.
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.
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.
Carcinogenic effects data is not available.
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.
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.
12.7 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

15.2 Chemical safety assessment

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

16. Other information

Reference Book

Globally Harmonized System of classification and labelling of chemicals, UN
Recommendations on the TRANSPORT OF DANGEROUS GOODS 21th edit., 2019 UN
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Date of revision: 11/10/2021

Safety Data Sheet

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

1.1 Product identifier:
Product name: Mouse IL-18 ELISA Kit
Product code: 7625
Components: Conjugate diluent

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.
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 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

3. Composition/information on ingredients

Mixture/Substance selection:
3.2 Mixture

Ingredient name	CAS No.	Content (%)	ECNO	HAZCODE_EU
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	55965-84-9	0.0015=<-<0.06	611-341-5	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

4. First-aid measures

4.1 Descriptions of first-aid measures
General measures

Get medical attention/advice 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 skin irritation occurs: Get medical advice/attention.

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.

4.2 Most important symptoms and effects, both acute and delayed

(Symptoms when skin and/or eye contact)

Irritation

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Specific treatment (see ... on this label)(... reference to supplemental first aid instruction)(may include a cleansing agent specified by the manufacturer/supplier or the competent authority).

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.

Preventive measures for secondary accident

Stop leak if safe to do so.

6.4 Reference to other sections

Refer to section 13

7. Handling and storage

7.1 Precautions for safe handling

Preventive measures

(Exposure Control for handling personnel)

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

(Safety treatments)

Avoid contact with skin.

Avoid contact with eyes.

Safety Measures

Wear protective gloves/eye protection/face protection.

Any incompatibilities data is not available.

7.2 Storage

Conditions for safe storage

Keep container tightly closed.

Keep cool. Protect from sunlight.

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

Adopted value in ACGIH is not available.

8.2 Exposure controls

Appropriate engineering controls

Exhaust/ventilator should be available.

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.

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Physical state: Liquid

Color: Blue.

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: Miscible

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

Chemical stability data is not available.

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

LD50:1,008mg/kg bw(rat) ECHA, Acute toxicity dermal [1]

LD50:87.12-660mg/kg bw(rabbit) ECHA, Acute toxicity dermal [2]

Serious eye damage/irritation data is not available.

Allergenic and sensitizing effects data is not available.

Mutagenic effects data is not available.

Carcinogenic effects data is not available.

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.

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

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

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

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

Other regulatory information

Ensure this material in compliance with federal requirements and ensure conformity to local regulations.

15.2 Chemical safety assessment

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

16. Other information

The product is not applicable to GHS classifications.

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
Hazard Communication Standard – 2012 (29 CFR 1910.1200)

Revision information

Issue date: 08/27/2014
Most modern edition: 11/10/2021

General Disclaimer

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Date of revision: 11/10/2021

Safety Data Sheet

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

1.1 Product identifier:
Product name: Mouse IL-18 ELISA Kit
Product code: 7625
Components: Substrate

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.
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 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

3. Composition/information on ingredients

Mixture/Substance selection:
3.2 Mixture

Ingredient name	CAS No.	Content (%)	ECNO	HAZCODE_EU
Hydrogen peroxide	7722-84-1	<0.1	231-765-0	Ox. Liq. 1, H271; Acute Tox. 4, H332; Acute Tox. 4, H302; Skin Corr. 1A, H314; (note* Eye Dam. 1, H318); (STOT SE 3; H335)
3,3',5,5'-Tetramethylbenzidine	54827-17-7	≦0.05	259-364-6	-

4. First-aid measures

4.1 Descriptions of first-aid measures
General measures
Get medical attention/advice 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 13

7. Handling and storage

7.1 Precautions for safe handling
Preventive measures
(Exposure Control for handling personnel)
Do not breathe dust/fume/gas/mist/vapors/spray.
(Safety treatments)
Avoid contact with skin.
Avoid contact with eyes.
Preventive measures data is not available.
Safety Measures
Wear protective gloves, protective clothing or face protection.
Wash hands et al thoroughly after handling.
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
Keep container tightly closed.

Keep cool. Protect from sunlight.
Container and packaging materials for safe handling data is not available.
7.3 Specific end use(s)
Research Use Only.

8. Exposure controls/personal protection

8.1 Control parameters
Adopted value
(Hydrogen peroxide)
ACGIH(1990) TWA: 1ppm (Eye, URT & skin irr)
OSHA-PEL
(Hydrogen peroxide)
TWA: 1ppm, 1.4mg/m3
NIOSH-REL
(Hydrogen peroxide)
TWA: 1ppm
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.

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties
Physical state: Liquid
Color: Pale amber
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 data is not available.
Kinematic viscosity data is not available.
Solubility:
Solubility in water: Miscible
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

Chemical stability data is not available.

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

(Hydrogen peroxide)

IARC-Gr.3: Not Classifiable as a Human Carcinogen

(Hydrogen peroxide)

ACGIH-A3(1990): Confirmed Animal Carcinogen with Unknown Relevance to Humans

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

(Hydrogen peroxide)

miscible (ICSC, 2000)

12.2 Persistence and degradability

(Hydrogen peroxide)

Degrade rapidly (EU-RAR, 2003)

12.3 Bioaccumulative potential

(Hydrogen peroxide)

log Pow= -1.36 (ICSC, 2000)

12.4 Mobility in soil

Mobility in soil data is not available.

12.6 Endocrine disrupting properties

Endocrine disrupting properties 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

Hydrogen peroxide; 3,3',5,5'-Tetramethylbenzidine

California proposition 65

Cancer

3,3',5,5'-Tetramethylbenzidine(Benzidine-based dyes)

15.2 Chemical safety assessment

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

16. Other information

The product is not applicable to GHS classifications.

Reference Book

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