

SAFETY DATA SHEET

1st Edition: 23 Jun 2015

5th Edition: 28 Nov 2022

Section 1 – Identification

Product identifier

Product name: Hemolynac•510

Product code: MK-510W

Recommended use of the chemical and restrictions on use

Lysing reagent for Nihon Kohden hematology analyzer

Supplier's details

Company name: Nihon Kohden Corporation

Address: 1-31-4 Nishiochiai, Shinjuku-ku, Tokyo 161-8560, Japan

Telephone number: +81 3-5996-8041

Fax: +81 3-5996-8100

Website for contact: <https://www.nihonkohden.com/contact/index.html>

Emergency telephone number

1-800-424-9300; CHEMTREC (US)

613-996-6666; CANUTEC (Canada)

+81 3-5996-8022 (Outside US and Canada)

Section 2 – Hazards Identification

GHS classification

Reproductive toxicity Category 1B

GHS label elements

Hazard pictogram:



Signal word:

Danger

Hazard statement:

H360 May damage fertility or the unborn child

Precautionary statements:

P201

Obtain special instructions before use.

P202

Do not handle until all safety precautions have been read and understood.

P280

Wear protective gloves.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P405

Store locked up.

P501

Dispose of contents/container in accordance with local and national regulations.

Other hazards

No data available

Section 3 – Composition/Information on Ingredients

Substance/mixture

Mixture

Hazardous ingredients

Chemical Name	Concentration or Its Ranges	CAS Number
Boric acid	0.6%	10043-35-3

Section 4 – First Aid Measures

Description of necessary aid measures

Inhalation:

Move to fresh air and get rest.

Skin contact:

Wash the skin with plenty of running water.

Eye contact:

Immediately wash the eyes with plenty of running water and see a physician.

Ingestion:

Immediately wash the mouth. Do not force vomiting. See a physician.

Most important symptoms/effects, acute and delayed

No data available

Indication of immediate medical attention and special treatment needed

No data available

Section 5 – Fire-fighting Measures

Extinguishing media

Suitable extinguishing media: Water spray, foam extinguisher, CO₂, dry sand

Unsuitable extinguishing media: No data available

Specific hazards arising from chemical

The container may explode when it is heated.

Irritating, toxic and/or corrosive gas may be produced when fire occurs.

Special protective equipment and precautions for fire-fighters

Wear fire-protective, nonflammable or fireproof clothing.

Wear protective gear such as gloves, clothing, goggles.

Section 6 – Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Wear appropriate protective gloves, protective clothing, eye protection and face protection for skin, eyes and clothing.

Environmental precautions

Do not drain the product into public drainage or waterway.

Methods and material for containment and cleaning up

Small spill: Use a waste cloth or sawdust to absorb the product and incinerate it.

Large spill: Construct temporary dikes of sand to prevent spreading of the product.

Try collecting the product.

Section 7 – Handling and Storage

Precautions for safe handling

Technical measures: Wear appropriate protective gear for eyes and skin.

Precautions: Only use the product in prescribed facilities and procedures.

Conditions for safe storage, including any incompatibilities

Technical measures: Seal the container.

Storage conditions: Store the product in a cool place (1 to 30°C, 34 to 86°F). Avoid direct sunlight.

Packing material: Polyethylene container, cardboard box

Section 8 – Exposure Controls/Personal Protection

Control parameters

Chemical Name	ACGIH	OSHA	Notification of the Department of Labour Protection and Welfare (Concentration Limits of Hazardous Chemicals)	Labor Hygiene Standard	Regulation No. PER.13/MEN/X/2011 Regarding Threshold Limit Values for Physical and Chemical Factors in the Workplace	Use and Standards of Exposure of Chemicals Hazardous to Health Regulations
Boric acid	TWA 2 mg/m ³ (I), STEL 6 mg/m ³ (I)	Not established	Not established	TWA 0.5 mg/m ³ (I), STEL 1 mg/m ³ (I)	Not established	Not established

Appropriate engineering controls

Use local exhaust ventilation in case of production of fume or mist.

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Individual protection measures

Eye/face protection: Wear eye protection/face protection.

Skin protection: Wear protective gloves. If necessary, wear protective clothing.

Respiratory protection: If necessary, wear respiratory protection.

Thermal hazards: No data available

Section 9 – Physical and Chemical Properties

Physical state	Liquid
Colour	Clear and colorless
Odour	None
Melting point/freezing point	No data available
Boiling point or initial boiling point and boiling range	No data available
Flammability	Noncombustible
Lower and upper explosion limit/flammability limit	No data available
Flash point	No data available
Auto-ignition temperature	Noncombustible
Decomposition temperature	No data available
pH	8.2 to 8.6 (25°C, 77°F)
Kinematic viscosity	No data available
Solubility	Water soluble
Partition coefficient n-octanol/water (log value)	No data available
Vapour pressure	No data available
Density and/or relative density	1.01 g/cm ³ (25°C, 77°F)
Relative vapour density	No data available
Particle characteristics	No data available

Section 10 – Stability and Reactivity

Reactivity	No data available
Chemical stability	Stable under the recommended conditions of handling and storage.
Possibility of hazardous reactions	No possibility of hazardous reactions under the recommended conditions of handling and storage.
Conditions to avoid	High temperature, direct sunlight, contact with ignition sources.
Incompatible materials	No data available
Hazardous decomposition products	No data available

Section 11 – Toxicological Information

Acute toxicity (Oral)	Unable to classify due to insufficient data.
Acute toxicity (Dermal)	Unable to classify due to insufficient data.
Acute toxicity (Inhalation:gas)	Does not fall under gas based on GHS definitions.
Acute toxicity (Inhalation:vapour)	Unable to classify due to insufficient data.
Acute toxicity (Inhalation:dust/mist)	Unable to classify due to insufficient data.
Skin corrosion/irritation	Unable to classify due to insufficient data.
Serious eye damage/irritation	Unable to classify due to insufficient data.
Respiratory or skin sensitization	Unable to classify due to insufficient data.
Germ cell mutagenicity	Unable to classify due to insufficient data.
Carcinogenicity	Unable to classify due to insufficient data.
Reproductive toxicity	Category 1B: 10043-35-3 Category 1B \geq 0.1% Classification result: Category 1B
STOT-single exposure	Unable to classify due to insufficient data.
STOT-repeated exposure	Unable to classify due to insufficient data.
Aspiration hazard	Unable to classify due to insufficient data.

Section 12 – Ecological Information

Ecotoxicity

Hazardous to the aquatic environment short-term (Acute):
Unable to classify due to insufficient data.

Hazardous to the aquatic environment long-term (Chronic):
Unable to classify due to insufficient data.

Persistence and degradability No data available

Bioaccumulative potential No data available

Mobility in soil No data available

Other adverse effects

Hazardous to the ozone layer: No data available

Section 13 – Disposal Considerations

Waste of the remainder Dispose of the product according to your local laws and your facility's guidelines for waste disposal.

Pollution container and wrapping Dispose of the product according to your local laws and your facility's guidelines for waste disposal.

Section 14 – Transport Information

UN number Not regulated

UN proper shipping name Not regulated

Transport hazard class (es) Not regulated

Packing group Not regulated

Environmental hazards Not regulated

Special precautions for user Do not expose the product to direct sunlight during loading or transport. Avoid causing damage to the product containers or decay or leakage of the contents during loading. Tie down the product containers firmly to prevent load shifting.

Section 15 – Regulatory Information

Safety, health and environmental regulations specific for the product in question

Thailand

Hazardous Substance Act: Hazardous Substances: FDA Responsible Substances
Hazardous Substances: Department of Industrial Works Responsible Substances

Vietnam

No main regulation

Indonesia

Indonesia Regulations No. 44/M-DAG/PER/9/2009 Regarding Procurement, Distribution and Supervision of Hazardous Materials:
B2 Hazardous Materials

Malaysia

Occupational Safety and Health (Prohibition of Use of Substances) Order:
Occupational Safety and Health
Environmentally Hazardous Substances Notification and Registration (EHSNR) Scheme:
Environmentally Hazardous Substances (EHS)
Poisons Act: Poisons List

Section 16 – Other Information

Abbreviations and acronyms

ACGIH:	American Conference of Governmental Industrial Hygienists
OSHA:	Occupational Safety and Health Administration
TWA:	Time-Weighted Average
STEL:	Short-Term Exposure Limits

Literature references

NITE-CHRIP
ECHA
EU CLP Regulation, Annex VI
Indonesia's Decree of the Ministry of Industry
Ministry of Industry Regarding Hazard Classification and Communication System of Hazardous Substance
ICOP CHC 2014

This data sheet is complete and accurate to the best of our knowledge but all information may not be covered. Any product may contain unknown harmful substances. This product must be handled carefully and used under the responsibility of the user, taking appropriate safety measures.