

SAFETY DATA SHEET

1st Edition: 23 Jun 2015
4th Edition: 03 Oct 2022

Section 1 – Identification

Product identifier

Product name: Hemolynac•310
Product code: MK-310W

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

Skin irritation: Category 3
Hazardous to the aquatic environment short-term (Acute): Category 2

GHS label elements

Hazard pictogram: None
Signal word: Warning
Hazard statement: H316 Causes mild skin irritation
H401 Toxic to aquatic life
Precautionary statement: P273 Avoid release to the environment.
P332+P313 If skin irritation occurs: Get medical advice/attention.
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
Dodecyl (trimethyl) ammonium chloride	< 3.0%	112-00-5
Cetrimonium chloride	< 0.1%	112-02-7
Citric acid monohydrate	< 2.0%	5949-29-1

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 any 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

Special 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 (TLV)	OSHA (PEL)
No data available		

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

Information on basic physical and chemical properties

Physical state	Liquid
Colour	Clear and colorless
Odour	Slight odour
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	7.1 to 7.6 (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	Category 2: 112-00-5 Total concentration of Category 2 is more than 1% but less than 10%. Classification result: Category 3
Serious eye damage/eye 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.
Carcinogenic	Unable to classify due to insufficient data.
Reproductive toxicity	Unable to classify due to insufficient data.
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):

Category 1: 112-00-5 (M=1), 112-02-7 (M=100)

$(M \times 10 \times \text{Category 1}) + \text{Category 2} \geq 25\%$

Classification result: Category 2

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

No main regulation

Section 16 – Other Information

Abbreviations and acronyms

ACGIH:

American Conference of Governmental Industrial Hygienists

TLV:

Threshold Limit Values

OSHA:

Occupational Safety and Health Administration

PEL:

Permissible Exposure Limits

Literature references

NITE-CHRIP

ECHA

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.