

SAFETY DATA SHEET

1st Edition: 09 Jan 2020

3rd Edition: 08 Mar 2023

Section 1 – Identification

Product identifier

Product name: Reticulonac

Product code: MK-110W

Recommended use of the chemical and restrictions on use

Staining 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 Not classified

GHS label elements

Hazard pictogram: None

Signal word: None

Hazard statement: None

Precautionary statements: None

Other hazards: No data available

Section 3 – Composition/Information on Ingredients

Substance/mixture Mixture

Hazardous ingredients This product does not contain substances to be mentioned.

Section 4 – First Aid Measures

Description of necessary aid measures

Inhalation: Move to fresh air and get rest.

Skin contact: Wash skin with plenty of water.

Eye contact: Wash eyes with plenty of water immediately and get medical advice.

Ingestion: Rinse mouth with water immediately. Do not force vomiting. Get medical advice.

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, handling accidental leakage of the product and wearing protection

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 materials 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 (2 to 8°C, 36 to 46°F). Do not freeze the product.

Packing material: Polyethylene container, paper box

Section 8 – Exposure Controls/Personal Protection

Control parameters

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 and Safety Characteristics

Physical state	Liquid
Colour	Clear yellow
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 flammability or explosive limit/flamability limit	No data available
Flash point	No data available
Auto-ignition temperature	Noncombustible
Decomposition temperature	No data available
pH	7.8 to 8.2 (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 substances	No data available
Hazardous decomposition produces	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/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.
Carcinogenicity	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):

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

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

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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.