

SAFETY DATA SHEET

1st Edition: 27 Feb 2004
6th Edition: 27 Apr 2023

Section 1 – Identification

Product identifier

Product name: Hemolynac•3N

Product code: MEK-680

Recommended use of the chemical and restrictions on use

Hemolysing 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; CHEMTRAC (US)

613-996-6666; CANUTEC (Canada)

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

Section 2 – Hazards Identification

GHS classification Hazardous to the aquatic environment - short-term (acute) Category 2

GHS label elements

Hazard pictogram: None

Signal word: None

Hazard statement: H401 Toxic to aquatic life

Precautionary statements: P273 Avoid release to the environment.

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
Dodecyltrimethylammonium chloride	< 5.0%	112-00-5
Cetrimonium chloride	< 0.2%	112-02-7
Ammonium oxalate monohydrate	< 2.0%	6009-70-7

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
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: If necessary, wear eye protection/face protection.

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

Respiratory protection: If necessary, wear respiratory protection.

Thermal hazards:

No data available

Section 9 – Physical and Chemical Properties

Physical state	Liquid
Colour	Colorless clear
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	4.0 to 7.0
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	1.02 g/cm ³ (20°C, 68°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 recommended handling and storage conditions.
Possibility of hazardous reactions	Produces chlorine gas when mixed with acid.
Conditions to avoid	Contact with incompatible materials. High temperatures and direct sunlight.
Incompatible materials	No data available
Hazardous decomposition products	No data available

Section 11 – Toxicological Information

Acute toxicity (Oral)	Category 4: 112-00-5 (orl-mus LD ₅₀ 300 mg/kg) 112-02-7 (orl-mus LD ₅₀ 400 mg/kg) Estimated LD ₅₀ is over 5000 mg/kg. Classification result: Not classified
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:vapor)	Unable to classify due to insufficient data.
Acute toxicity (Inhalation:dust/mist)	Unable to classify due to insufficient data.
Skin corrosion/irritation	Category 1C: 112-02-7 Category 2: 112-00-5 (10×Category 1) + Category 2 < 10% Classification result: Not classified
Serious eye damage/irritation	Category 1: 112-02-7 Category 2: 112-00-5 (10×Category 1) + Category 2 < 10% Classification result: Not classified
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):

Category 1: 112-00-5 (M=1), 112-02-7 (M=100)
(M×10×Category 1) + Category 2 ≥ 25%
Classification result: Category 2

Hazardous to the aquatic environment long-term (Chronic):

Category 1: 112-02-7 (M=1)
(M×100×Category 1) + (10×Category 2) + Category 3 < 25%
Classification result: Not classified

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
OSHA:	Occupational Safety and Health Administration
Literature references	NITE GHS
	ECHA
	EU CLP Regulation, Annex VI

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.