SAFETY DATA SHEET

1st Edition: 16 Dec 2021

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name: Hemolynac•3N

Product code: MEK-680

1.2 Relevant identified uses of the substance or mixture and uses advised against

Hemolysing reagent for Nihon Kohden hematology analyzer

1.3 Details of the supplier of the safety data sheet

Nihon Kohden Corporation
1-31-4 Nishiochiai, Shinjuku-ku, Tokyo 161-8560, Japan
Tel: +81 (3) 5996-8041
Fax: +81 (3) 5996-8085

1.4 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

2.1 Classification of the substance or mixture

Not classified

2.2 Label elements

Hazard pictogram: None

Signal word: None

Hazard statements: None

Precautionary statements: None

2.3 Other hazards

No data available

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical Name	Concentration or Its Ranges	CAS Number	EC Number REACH Registration No.	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Dodecyltrimethylammonium chloride	< 5.0%	112-00-5	203-927-0	Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Aquatic Acute 1; H400
Cetrimonium chloride	< 0.2%	112-02-7	203-928-6	Acute Tox. 4; H302 Skin Corr. 1C; H314 Eye Dam. 1; H318 Aquatic Acute 1; H400 Aquatic Chronic 1; H410
Ammonium oxalate monohydrate	< 2.0%	6009-70-7	611-933-3	Acute Tox. 4; H302, H312

SECTION 4: First aid measures

4.1 Description of first 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.

4.2 Most important symptoms and effects, both acute and delayed

No data available

4.3 Indication of any immediate medical attention and special treatment needed

No data available

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media:	Water spray, foam extinguisher, CO_2, dry sand
Unsuitable extinguishing media:	No data available

5.2 Special hazards arising from the substance or mixture

The container may explode when it is heated.

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

5.3 Advice for firefighters

Wear fire-protective, nonflammable or fireproof clothing.

Wear protective gear such as gloves, clothing, goggles.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

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

6.2 Environmental precautions

Do not drain the product into public drainage or waterway.

6.3 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.

6.4 Reference to other sections

See “SECTION 8: Exposure controls/personal protection” and “SECTION 13: Disposal considerations”

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Technical measures:	Wear appropriate protective gear for eyes and skin.
Precautions:	Only use the product in prescribed facilities and procedures.

7.2 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

7.3 Specific end use(s)

No relevant information available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Chemical Name	ACGIH(TLV)	OSHA(PEL)	DFG (REL)
No data available			

8.2 Exposure controls

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

Environmental exposure controls

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state: Liquid
Colour: 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: 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: 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

9.2 Other information

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

No data available

10.2 Chemical stability

No data available

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

No data available

10.5 Incompatible materials

No data available

10.6 Hazardous decomposition products

No data available

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

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: vapour):	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/eye irritation:	Category 1: 112-02-7 Category 2: 112-00-5 (10×Category 1) + Category 2 < 10% Classification result: Not classified
Respiratory or skin sensitisation:	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.

11.2 Information on other hazards

No data available

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment short-term (Acute):

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

M×Category 1 < 25%

Classification result: Not classified

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

12.2. Persistence and degradability

No data available

12.3. Bioaccumulative potential

No data available

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

No data available

12.6. Endocrine disrupting properties

No data available

12.7. Other adverse effects

Hazardous to the ozone layer: No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

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

14.1 UN number or ID number

Not Regulated

14.2 UN proper shipping name

Not Regulated

14.3 Transport hazard class (es)

Not Regulated

14.4 Packing group

Not Regulated

14.5 Environmental hazards

Not Regulated

14.6 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.

14.7 Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

No main regulation

15.2 Chemical safety assessment

None

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
DFG:	Deutsche Forschungsgemeinschaft
REL:	Recommended Exposure Limits
Acute Tox. 4:	Acute toxicity Category 4
Skin Corr. 1C:	Skin corrosion Category 1-1C
Skin Irrit. 2:	Skin irritation Category 2
Eye Dam. 1:	Eye damage Category 1
Eye Irrit. 2:	Eye irritation Category 2
Aquatic Acute 1:	Hazardous to the aquatic environment short-term (Acute) Category 1
Aquatic Chronic 1:	Hazardous to the aquatic environment long-term (Chronic) Category 1
H302:	Harmful if swallowed
H312:	Harmful in contact with skin
H314:	Causes severe skin burns and eye damage
H315:	Causes skin irritation
H318:	Causes serious eye damage
H319:	Causes serious eye irritation
H400:	Very toxic to aquatic life
H410:	Very toxic to aquatic life with long lasting effects

Literature references

NITE GHS
ECHA
EU CLP Regulation, AnnexVI

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.