

SAFETY DATA SHEET

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

1.1 Product identifier

Product name: Hematology control for reticulocyte

Product code: MK-RE1, MK-RE2, MK-RE3

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

Identified uses: For Nihon Kohden automated hematology analyzer only.

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

GHS classification: Acute toxicity – Category 5 (oral)

2.2 Label elements

Labeling according to Regulation (EC) No 1272/2008 [GHS/CLP]

Pictograms or hazard symbols: None

Signal word: WARNING

Hazard statement: H303: May be harmful if swallowed

Prevention precautionary statements: P301+P312: IF SWALLOWED:
Call a POISON CENTER or doctor/physician if you feel unwell.

2.3 Other hazards

Not available.

SECTION 3: Composition/information on ingredients

3.1 Substances

Main component (s): plasma-like fluid with preservatives, human erythrocytes and mammalian erythrocytes

Harmful substance (s): Cycloheximide

3.2 Mixtures

Contains	EINECS No.	CAS No.	Composition (%)
Cycloheximide	200-636-0	66-81-9	< 0.05

SECTION 4: First aid measures

4.1 Description of first aid measures

Inhalation: Remove to fresh air and monitor breathing. If breathing becomes difficult, give oxygen. If breathing stops, give artificial respiration. Consult a doctor.

Skin contact: Immediately wash skin with copious amounts of soap and water for at least 15 minutes. Remove contaminated clothing and shoes and wash before reuse. Consult a doctor.

Eye contact: Flush with copious amounts of water for at least 15 minutes. Remove contact lenses if easy to do so. Consult a doctor.

Ingestion: Rinse mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Consult a doctor.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation:	May cause respiratory tract irritation.
Skin:	May cause skin irritation.
Eye:	May cause eye irritation.
Ingestion:	May be harmful if swallowed.

4.3 Indication of immediate medical attention and special treatment needed

Show this safety data sheet to the doctor in attendance. Immediate medical attention is required.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Not available.

5.3 Advice for firefighters

Wear suitable protective clothing to prevent contact with skin and eyes and self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Do not take action without suitable protective clothing (refer to "SECTION 8: Exposure controls/personal protection").

Evacuate personnel to safe areas. Ensure adequate ventilation. Avoid breathing vapors, mist, dust or gas.

6.2 Environmental precautions

Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up

Cover spillage with suitable absorbent material. Hold all material for appropriate disposal as described under "SECTION 13: Disposal considerations".

6.4 Reference to other sections

For required PPE refer to "SECTION 8: Exposure controls/personal protection". For disposal refer to "SECTION 13: Disposal considerations".

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid inhalation, contact with eyes, skin and clothing. Use in a well-ventilated area.

Do not eat, drink, or smoke in laboratory areas.

7.2 Conditions for safe storage, including any incompatibilities

Store in cool, well-ventilated area.

7.3 Specific end use(s)

Not applicable.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Use in a fume hood where applicable.

Ensure all engineering measures described under "SECTION 7: Handling and storage".

Ensure laboratory is equipped with a safety shower and eye wash station.

Prevent dispersion of dust. Avoid contact with skin, eyes, and clothing.

Wash hands before breaks and immediately after handling product.

- (a) Eye/face protection
Use appropriate safety glasses.
- (b) Skin protection
 - (i) Hand protection: Use appropriate chemical resistant gloves (minimum requirement use standard BS EN 374:2003). Gloves should be inspected before use. Wash and dry hands thoroughly after handling.
 - (ii) Other: Wear appropriate protective clothing.
- (c) Respiratory protection
If risk assessment indicates necessary, use a suitable respirator.
- (d) Thermal hazards
Not applicable.

SECTION 9: Physical and chemical properties and safety characteristics

9.1 Information on basic physical and chemical properties

Physical state:	Liquid or solid
Colour:	Dark red
Odour:	Little to none
Melting point/freezing point:	No data available.
Boiling point or initial boiling point and boiling range:	No data available.
Flammability:	No data available.
Lower and upper explosion limit:	No data available.
Flash point:	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
pH:	No data available.
Kinematic viscosity:	No data available.
Solubility:	No data available.
Partition coefficient: n-octanol/water:	No data available.
Vapor pressure:	No data available.
Density and/or relative 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

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid

No data available.

10.5 Incompatible materials

Strong oxidizing agents.

10.6 Hazardous decomposition produces

No data available.

SECTION 11: Toxicological information

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

Acute toxicity:	Classified based on available data.
Skin corrosion/irritation:	Classified based on available data.
Serious eye damage/irritation:	Classified based on available data.
Respiratory or skin sensitization:	Classified based on available data.
Germ cell mutagenicity:	Classified based on available data.
Carcinogenicity:	Classified based on available data.
Reproductive toxicity:	Classified based on available data.
Specific target organ toxicity (STOT) - single exposure:	Classified based on available data.
Specific target organ toxicity (STOT) - repeated exposure:	Classified based on available data.
Aspiration hazard:	Classified based on available data.

11.2 Information on other hazards

No data available.

SECTION 12: Ecological information

12.1 Toxicity

No data available.

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 Result of PBT and vPvB assessment

No data available.

12.6 Endocrine disrupting properties

No data available.

12.7 Other adverse effects

No data available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product:	Transfer to a suitable container and arrange for collection by specialized disposal company in accordance with national, regional, or local legislation.
Contaminated packaging:	Dispose of in a regulated landfill site or other method for hazardous or toxic wastes in accordance with national, regional, or local legislation.

SECTION 14: Transport information

14.1 UN number or ID number

Does not meet the criteria for classification as hazardous for transport.

14.2 UN proper shipping name

Does not meet the criteria for classification as hazardous for transport.

14.3 Transport hazard class (es)

Does not meet the criteria for classification as hazardous for transport.

14.4 Packaging group

Does not meet the criteria for classification as hazardous for transport.

14.5 Environmental hazards

Does not meet the criteria for classification as hazardous for transport.

14.6 Special precautions for user

Does not meet the criteria for classification as hazardous for transport.

14.7 Maritime transport in bulk according to IMO instruments

Does not meet the criteria for classification as hazardous for transport.

SECTION 15: Regulatory information

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

TSCA (Toxic Substances Control Act): Cycloheximide is listed.

SARA 313: Not applicable.

SARA 311/312: Not applicable.

CERCLA Reportable Quantity: Not applicable.

California Proposition 65: Not applicable.

15.2 Chemical safety assessment

A Chemical Safety Assessment has not been made for this product.

SECTION 16: Other information

Not applicable.

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.