

SAFETY DATA SHEET (SDS)

Revision Date: 2024-10-25

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME

Cystatin C, R-1

CATALOG

KAI-074 (R-1)

Intended Use: For the quantitative determination of human Cystatin C in serum or plasma by immunoturbidimetric *in vitro* assay.

MANUFACTURER INFORMATION

Manufacturer: KAMIYA BIOMEDICAL COMPANY


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Tukwila, WA 98168
U.S.A.

Phone: +1 206-575-8068

FAX: +1 206-575-8094

Website: www.k-assay.com

2. HAZARDS IDENTIFICATION

GHS Classification:	Eye damage / irritation: Category 2
Hazard Symbol:	
Signal Word:	Warning
Hazard Statements:	H320 - Causes serious eye irritation
Precautionary Statements:	P264 - Wash thoroughly after handling. P280 - Wear protective gloves / protective clothing / eye protection / face protection. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Repeat rinsing. P337+P313 - If eye irritation persists, get medical advice / attention. P501a - Dispose of contents / container in accordance with Local / regional / national / international regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Single substance or Mixture: Mixture

Ingredient	CAS #	Amount
Sodium Azide	26628-22-8	< 0.1 %
Sodium Chloride	288-32-4	> 1 %

4. FIRST-AID MEASURES

Inhalation:	Get fresh air and rest in a position comfortable for breathing. If experiencing respiratory symptoms, call poison center or doctor / physician.
Skin Contact:	Wash with plenty of water. If skin irritation occurs, obtain medical advice / attention.
Eye Contact:	Rinse eyes immediately with plenty of water for at least 15 minutes with eyelids open. Get medical attention if appearance changes or pain develops.
Ingestion:	Rinse mouth immediately with plenty of water. Get medical attention.

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5. FIRE-FIGHTING MEASURES

Flash Point:	Not applicable
Condition:	No fire or explosion hazards. Packaging material will burn in a fire.
Extinguishing Media:	No restrictions

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Wear proper protective equipment to avoid direct skin contact.
Environmental Precautions:	Do not wash away into sewers, watercourse, or rivers. If material has entered surface drains, it may be necessary to inform local authorities.
Methods and Materials for Containment and Cleaning Up:	After absorbing liquid with absorbent material e.g. cotton, wool or paper towel, flush the spill site with plenty of water. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Technical Measure:	Wear suitable protective equipment to avoid contact with eyes, skin and clothing.
Safety Handling Precautions:	Do not leave the bottle open for long periods of time except when in use. Sodium azide may form explosive compounds by contact with metals. Handle with care.
Avoidance of Contact:	Do not swallow. Wear appropriate protective equipment to avoid contact with eyes and skin.
Safe Storage Conditions:	Store between +2 and +8°C, tightly closed to avoid high temperatures and humidity.
Safe Container and Packaging Materials:	Unbreakable airtight container.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits:

Ingredient	Limit
Sodium Azide	0.29 mg/m ³ (ACGIH)

Respiratory Protection:	None
Eye Protection:	Protective glasses
Hand Protection:	Protective gloves. Wash hands after use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Color:	Colorless
Odor:	Odorless
pH:	Not applicable
Boiling Point:	Not applicable
Melting Point:	Not applicable
Flash Point:	Not applicable
Oxidizing Substances:	Not applicable
Ignition Temperature:	Not applicable
Explosion Limits:	Not applicable
Vapor Pressure:	Not applicable
Density:	Not applicable
Solubility(ies):	Miscible in water

10. STABILITY AND REACTIVITY

Stability:	Stable under recommended storage conditions.
Hazardous Reactions:	Sodium Azide forms an explosive compound by contact with metals.

11. TOXICOLOGICAL INFORMATION

This product is a mixture that contains a very low concentration of the following substance. Here are details for the substance in pure form.

Sodium Azide	
Acute Toxicity:	Oral LD50: 27 mg/kg (Rat) Dermal LD50: 20 mg/kg (Rabbit) Inhalation LC50: N/A
Skin Irritation / Corrosion:	No information available
Serious Eye Damage / Eye Irritation:	No information available
Respiratory or Skin Sensitization:	No information available
Germ Cell Mutagenicity:	No information available
Carcinogenicity:	No information available
Reproductive Toxicity:	No information available
STOST - Single Exposure:	No information available
STOST - Repeated Exposure:	No information available
Target Organ Effects:	Blood forming system, cardiovascular system (by inhalation), blood system, autonomic nervous system, blood (by inhalation)
Aspiration Hazard:	No information available
CMR Effects:	No information available

Sodium Chloride	
Acute Toxicity:	No information available
Skin Irritation / Corrosion:	No information available
Serious Eye Damage / Eye Irritation:	No information available
Respiratory or Skin Sensitization:	No information available
Germ Cell Mutagenicity:	No information available
Carcinogenicity:	No information available
Reproductive Toxicity:	No information available
STOST - Single Exposure:	No information available
STOST - Repeated Exposure:	No information available
Target Organ Effects:	No information available
Aspiration Hazard:	No information available
CMR Effects:	No information available

12. ECOLOGICAL INFORMATION

Sodium Azide	
Toxicity:	LC50 (96h) 0.8 mg/L (<i>Oncorhynchus mykiss</i>)
Persistence and Degradability:	No information available
Bioaccumulative Potential:	No information available
Mobility in Soil:	No information available
Hazard to the Ozone Layer:	No information available

Sodium Chloride	
Toxicity:	No information available
Persistence and Degradability:	No information available
Bioaccumulative Potential:	No information available
Mobility in Soil:	No information available
Hazard to the Ozone Layer:	No information available

13. DISPOSAL CONSIDERATIONS

Product:	Sodium azide has been reported to react with lead and copper plumbing to form an explosive compound. When disposing through plumbing fixtures, flush with large amounts of water or dispose of in accordance with local regulations.
Contaminated Packaging:	After washing with water, the empty containers should be disposed of in accordance with local regulations.

14. TRANSPORT INFORMATION

This product is considered to be non-hazardous for transport.

UN Number:	N/A
UN Proper Shipping Name:	N/A
Transport Hazard Class:	N/A
Packing Group:	N/A

15. REGULATORY INFORMATION

Regulatory information with regard to this preparation in your country or region should be examined on your own responsibility.

16. OTHER INFORMATION / DISCLAIMER

This product is for *in vitro* use only. It is not to be used internally in humans or animals.

The information, data, and recommendations contained herein are based upon information believed by **KAMIYA BIOMEDICAL COMPANY (KBC)** to be accurate, but does not purport to be all-inclusive and shall be used only as a guide. **KBC** neither warrants the accuracy of this information nor assumes any legal responsibility in connection with its dissemination. **KBC** shall not be held liable for any damage resulting from handling or from contact with the above product.

It is the user's responsibility to determine the suitability of this information and the adoption of necessary safety precautions. All materials and mixtures may present unknown hazards and should be used with caution. When necessary or appropriate, independent opinions regarding the risk of handling or exposure should be obtained from trained professionals.

We reserve the right to revise this document periodically, as new information becomes available.