

SAFETY DATA SHEET

according to 29CFR1910.1200 (OSHA HCS)

Date of Compilation/Revision Date: 2025-09-12

Revision Number: New

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

1.1 Product identifier

Trade name/Designation of the mixture: Linearity FD Urine Chemistry for Beckman AU

Product code: K829M-10

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

Intended Use: In Vitro Diagnostic use only.

Uses advised against: Not for use in/on humans or animals. Not for use in the manufacture of products to be used in/on humans or animals.

1.3 Details of the supplier of the safety data sheet

Supplier:
Aalto Scientific, Ltd.
230 Technology Parkway
Eatonton, GA 31024
USA

Customer service telephone: (760) 431-7922

1.4 Emergency telephone number 1-800-748-6674

SECTION 2: Hazards Identification

2.1 Classification of the substance or mixture

This product meets the criteria for classification in accordance with 29CFR1910.1200 (OSHA HCS). This product is classified as:
Acute toxicity, Oral (Category 4), H302
Acute toxicity, Dermal (Category 3), H311
Acute toxicity, Inhalation (Category 3), H331
Specific target organ toxicity - repeated exposure (Oral) Category 2 (Brain), H373

Once diluted, as it is intended to be used, this product does not meet the criteria for classification in accordance with 29CFR1910.1200 (OSHA HCS).

The most important adverse physicochemical, human health and environmental effects

No additional information available.

2.2 Label elements

Hazard pictogram(s)



Signal word(s)

Danger

Hazard statement(s)

H311: Toxic in contact with skin
H331: Toxic if inhaled
H302: Harmful if swallowed
H373: May cause damage to the brain through prolonged or repeated exposure

Precautionary statement(s)

P280: Wear protective gloves/ protective clothing
P302 + P352: If on skin: Wash with plenty of water
P312: Call a POISON CENTER or doctor/physician if you feel unwell.
P361 + P364: Take off immediately all contaminated clothing and wash before reuse.
P405: Store locked up.
P260: Do not breathe dust/fume/gas/mist/vapors/spray
P264: Wash hands thoroughly after handling.
P270: Do not eat, drink, or smoke when using this product.
P271: Use only outdoors or in a well-ventilated area.
P304 + P340: If inhaled: Remove person to fresh air and keep comfortable for breathing.
P403 + P233: Store in a well-ventilated place. Keep container tightly closed.
P301 + P312: If swallowed: Call a POISON CENTER or doctor/physician if you feel unwell.
P330: Rinse mouth.
P501: Dispose of contents in accordance with local, state, federal and international regulations.

2.3 Other hazards

Some components of this kit may contain human and/or animal blood derivatives. No known test method can offer complete assurance that products derived from human and/or animal blood

will not transmit infectious agents. Therefore, this material should be considered potentially infectious. Contains materials that could be toxic in large doses.

SECTION 3: Composition/information on ingredients

Name	Product identifier (CAS-No.)	Classification	Concentration (%w)
Sodium azide	CAS No.: 26628-22-8	Acute toxicity (Oral): Category 2 Acute toxicity (Inhalation): Category 2 Acute toxicity (Dermal): Category 1 Specific target organ toxicity - repeated exposure (Oral): Category 2 (Brain) Short-term (acute) aquatic hazard: Category 1 Long-term (chronic) aquatic hazard: Category 1	0.8 – 6.0%

For full hazard and supplemental hazard statements refer to Section 16 of this SDS.

SECTION 4: First aid measures

4.1 Description of first aid measures

First-aid measures general

Seek medical advice/attention if you feel unwell.

In case of eye contact:

May Cause irritation. In the case of contact with eyes, rinse immediately with plenty of water for 15 minutes and seek medical attention.

In case of skin contact:

May cause slight skin irritation. If a person feels unwell or symptoms of skin irritation appear, consult a physician. Wash off immediately with soap and plenty of water.

In case of ingestion:

May cause gastrointestinal irritation, nausea, vomiting and diarrhea

In case of inhalation:

May cause irritation of respiratory tract

Protection of first-aid providers

Wear suitable gloves and eye/face protection.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labeling (see Section 2.2) and/or Section 11 of this SDS.

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

Use any extinguishing media which is suitable for the surrounding fire.

Extinguishing media which must not be used for safety reasons

None to our knowledge.

Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases:

None to our knowledge.

Combustion products or resulting gases:

None.

5.2 Special hazards arising from the substance or mixture

None to our knowledge.

5.3 Advice for firefighters

Wear self-contained breathing apparatus and protective suit.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For emergency responders and non-emergency personnel

Wear suitable gloves and eye/face protection. Handle all blood and materials in contact with blood as if capable of transmitting infectious agents. It is recommended that blood and materials in contact with blood be handled using established good laboratory practices.

6.2 Environmental precautions

Waste disposal must be in accordance with appropriate US, Federal, State and International regulations.

6.3 Methods and material for containment and cleaning up

Containment techniques

Use appropriate adsorbent material.

Spill clean-up

Use appropriate adsorbent material.

6.4 Reference to other sections

See Sections 8 and 13 for Exposure controls/personal protection and waste handling.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Recommendations for safe handling

Avoid contact with skin and eyes. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Wear appropriate personal protective equipment - see Section 8.

7.2 Conditions for safe storage, including any incompatibilities

Sources of ignition. Keep separate from acidic/basic solutions.

7.3 Specific end use(s)

For professional use only.

SECTION 8: Exposure controls/personal protection
8.1 Control parameters

Ingredients with workplace control parameters See below.

8.2 Exposure controls

8.2.1 Appropriate engineering controls Change contaminated clothing. Wash hands after working with mixture.

8.2.2 Individual protection measures

Eye/face protection Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses

Hand protection Wear suitable gloves resistant to chemical penetration. Neoprene or nitrile rubber gloves. Layer thickness : 0.10mm. Breakthrough time : >480 min.

Respiratory protection Required when dusts are generated.

Body protection Wear clothing suitable for a laboratory environment including (but not limited to) a lab coat and closed toed shoes.

Ingredients with workplace control parameters (US)

Component	CAS-No.	Value	Control parameters	Basis
Sodium azide	26628-22-8	C	0.29 mg/m ³	USA. ACGIH Threshold Limit Values (TLV)
	Remarks	Not classifiable as a human carcinogen		
		C	0.11 ppm	USA. ACGIH Threshold Limit Values (TLV)
		Not classifiable as a human carcinogen		
			0.1 ppm	USA. NIOSH Recommended Exposure Limits
		Potential for dermal absorption		
		C	0.3 mg/m ³	USA. NIOSH Recommended Exposure Limits
		Potential for dermal absorption		
		C	0.1 ppm	USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000
		Skin notation		

		C	0.3 mg/m ³	USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000
		Skin notation		
		C	0.1 ppm 0.3 mg/m ³	California permissible exposure limits for chemical contaminants (Title 8, Article 107)

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state:	Solid.	Decomposition temperature:	No information available.
Colour:	No information available.	pH:	No information available.
Odour:	No information available.	Kinematic viscosity:	No information available.
Melting point/freezing point:	No information available.	Solubility:	No information available.
Boiling point:	No information available.	Partition coefficient n-octanol/water (log value):	No information available.
Flammability:	No information available.	Vapour pressure:	No information available.
Lower and upper explosion limit:	No information available.	Density/relative density:	No information available.
Flash point:	No information available.	Relative vapour density:	No information available.
Autoignition temperature:	No information available.	Particle characteristics:	No information available.

9.2 Other Information

No other information available.

SECTION 10: Stability and reactivity

10.1 Reactivity	Stable under normal conditions.
10.2 Chemical stability	Stable under normal conditions.
10.3 Possibility of hazardous reactions	No information available.
10.4 Conditions to avoid	Temperatures outside of the specified storage range.
10.5 Incompatible materials	No information available.
10.6 Hazardous decomposition products	Thermal decomposition can lead to release of irritating gases and vapors. Metals and metallic compounds: Sodium azide forms explosive compounds with heavy metals. Repeated contact of low concentrations of azide with lead and copper commonly found in

plumbing drains may result in the build up of shock sensitive compounds.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Sodium azide (CAS No. 70560-51-9)

Acute toxicity:	LD50 Oral - Rat - 27 mg/kg Remarks: (RTECS) LC50 Inhalation - Rat - male and female - 4 h - 0.054 - 0.52 mg/l - dust/mist (US-EPA) LD50 Dermal - Rabbit - 20 mg/kg Remarks: (RTECS) No data available
Skin corrosion/irritation:	No data available.
Serious eye damage/irritation:	No data available.
Respiratory or skin sensitization:	No data available.
Germ cell mutagenicity:	No data available.
Carcinogenicity:	IARC: NTP: No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. OSHA: No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.
Reproductive toxicity:	No data available.
STOT-single exposure:	No data available.
STOT-repeated exposure:	Oral - May cause damage to organs through prolonged or repeated exposure. - Brain
Aspiration hazard:	No data available.

11.2 Information on other hazards

RTECS: VY8050000 To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Nausea, Headache, Vomiting, Laboratory experiments in animals have shown sodium azide to produce a profound hypotensive effect, demyelination of myelinated nerve fibers in the central nervous system, testicular damage, blindness, attacks of rigidity, and hepatic and cerebral effects., To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

SECTION 12: Ecological information

No additional information provided.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Dispose of contents/container in accordance with licensed collector's sorting instructions. Sewage disposal is discouraged. Handle product as if it is capable of transmitting infectious disease.

SECTION 14: Transport information

No additional information provided.

SECTION 15: Regulatory information

No additional information provided.

SECTION 16: Other information

The date of preparation of the SDS or the last change to it.

2025-09-12

Restrictions on use:

This product is not for human consumption. In vitro diagnostic use only.

Disclaimer:

The information and recommendations contained herein are based upon tests believed to be reliable. However, Aalto Scientific, Ltd., does not guarantee their accuracy or completeness NOR SHALL ANY OF THIS INFORMATION CONSTITUTE A WARRANTY, WHETHER EXPRESSED OR IMPLIED, AS TO THE SAFETY OF THE GOODS, THE MERCHANTABILITY OF THE GOODS, OR THE FITNESS OF THE GOODS FOR A PARTICULAR PURPOSE. Adjustment to conform to actual conditions of usage may be required. Aalto Scientific, Ltd. assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied.

End of Safety Data Sheet