

SAFETY DATA SHEET

according to 29CFR1910.1200 (OSHA HCS)

Preparation/Revision Date: 2025-04-16

Revision: 002

SECTION 1 – IDENTIFICATION

Supplier:

Aalto Scientific, Ltd.
230 Technology Parkway
Eatonton, GA 31024
U.S.

Product name: Linearity FD UIBC
Product code: K732M-5
Pure substance/preparation: Preparation
Intended Use: For In Vitro Diagnostic use only.

Customer service telephone: (760) 431-7922
Email: ehs@aaltoscientific.com

Emergency telephone number: 1-800-748-6674

SECTION 2 - HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Acute toxicity, Inhalation (Category 4), H332
Acute toxicity, Dermal (Category 4), H312
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).

For the full text of the H-statements mentioned in this section, see section 16

2.2 GHS label elements, including precautionary statements

Hazard pictograms



Signal word(s)

Warning

Hazard statement(s)

Harmful in contact with skin or if inhaled.
May cause damage to organs (Brain) through prolonged or repeated exposure if swallowed.

Precautionary statement(s)

Prevention:

Avoid breathing dust/fume/gas/mist/vapors/spray.
Use only outdoors or in a well-ventilated area.
Wear protective gloves/protective clothing/eye protection/face protection.
Wash thoroughly after handling.
Do not breathe dust/fume/gas/mist/vapors/spray.

Response:

IF ON SKIN: Wash with plenty of soap and water.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Call a POISON CENTER or doctor/physician if you feel unwell.
Take off contaminated clothing and wash it before reuse.
Get medical advice/attention if you feel unwell.

Storage:

Store in a well-ventilated place. Keep container tightly closed.

Disposal:

Dispose of contents/container to an approved waste disposal plant in accordance with local/regional/national regulations. If drain disposal is chosen, flush with a large volume of water to prevent azide build-up.

2.3 Other hazard information:

Some components of this kit 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, all blood derivatives should be considered potentially infectious. Contains anti-microbial materials that could be toxic in large doses.

Carcinogenicity rating

IARC:

Not classified.

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Component(s)	CAS Number	Classification	Concentration
Sodium azide	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% - 2%

SECTION 4 – FIRST-AID MEASURES**4.1 Description of first aid measures****General advice**

Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Flush eyes with water as a precaution

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in section 2.

4.3 Indication of any immediate medical attention and special treatment needed

No data available

SECTION 5 – FIRE-FIGHTING MEASURES**Suitable extinguishing media:**

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

Extinguishing media which must not

None.

be used for safety reasons:

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

None reasonably foreseeable.

Combustion products or resulting gases:

None.

Special protective equipment for firefighters:

Wear self-contained breathing apparatus and protective suit.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal precautions:

Wear suitable gloves and eye/face protection.

Environmental precautions:

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

Methods for cleaning up:

Wipe up with absorbent material (e.g. cloth, fleece). Clean with disinfectants. Clean contaminated surface thoroughly.

SECTION 7 – HANDLING AND STORAGE

Handling:

Technical measures/precautions:

Wear protective safety glasses, gloves and clothing.

Safe handling advice:

Always replace cap after use. Wear disposable gloves while handling reagents. Thoroughly wash hands afterwards.

Storage:

Technical measures/storage conditions:

Store opened and unopened containers in accordance with COA or package insert.

Incompatible products:

Keep away from sources of ignition.

Specific use(s):

In vitro diagnostic use only.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits - Ingredients/constituents listed in Section 3

Component	Value type (Form of exposure)	Control parameters	Basis
Sodium azide CAS-No.: 26628-22-8	C	0.29 mg/m ³ (sodium azide)	ACGIH
	C (Vapor)	0.11 ppm (Hydrazoic acid)	ACGIH
	C	0.1 ppm (HN ₃)	NIOSH Recommended Exposure Limits
	C	0.3 mg/m ³ (Sodium azide)	NIOSH Recommended Exposure Limits

Exposure controls / personal protection

Engineering controls:	Ensure adequate ventilation.
Respiratory protection:	None required.
Hand protection:	Wear disposable gloves while handling. Thoroughly wash hands afterwards.
Eye protection:	Wear eye/face protection
Skin and body protection:	Wear suitable protective clothing. Wear suitable gloves and eye/face protection.
Environmental exposure controls:	No information available.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Solid.	Vapor Pressure:	No information available.
Appearance:	No information available.	Specific gravity:	No information available.
Color:	No information available.	Density (20/4):	No information available.
Odor:	No information available.	Water solubility:	No information available.
Flash Point:	No information available.	Solubility in other solvents:	No information available.
pH:	Neutral.	Partition coefficient:	No information available.
Flammability (solid, gas):	No information available.	Viscosity:	No information available.

Explosive properties:	No information available.	Vapor density:	No information available.
Oxidizing properties:	No information available.	Evaporation rate:	No information available.
Autoignition temperature:	No information available.	Fat solubility (g/l)	No information available.
Miscibility:	No information available.	Gas group:	No information available.
Volume resistivity:	No information available.		

SECTION 10 – STABILITY AND REACTIVITY

Chemical stability:	Stable under recommended storage conditions.
Materials to avoid:	No information available.
Conditions to avoid:	Keep away from heat and sources of ignition.
Hazardous polymerisation:	No information available.
Possibility of hazardous reactions:	No information available.
Hazardous incompatibilities/decomposition products:	No information available.

SECTION 11 – TOXICOLOGICAL INFORMATION

Sodium azide
CAS-No.: 26628-22-8

Primary routes of exposure: The most likely routes of exposure are skin and eye contact and inhalation. Material may be absorbed through the skin.

11.1 Information on toxicological effects

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

Skin - In vitro study

Result: No skin irritation
(OECD Test Guideline 439)

Serious eye damage/eye irritation

Eyes - Bovine cornea
Result: No eye irritation - 4 h
(OECD Test Guideline 437)

Respiratory or skin sensitization

Local lymph node assay (LLNA) - Mouse
Result: negative
(OECD Test Guideline 429)

Germ cell mutagenicity

Test Type: Mutagenicity (mammal cell test): chromosome aberration.
Test system: Chinese hamster ovary cells
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 473
Result: negative Test Type: unscheduled DNA synthesis assay
Test system: Chinese hamster lung cells
Metabolic activation: without metabolic activation
Method: OECD Test Guideline 482
Result: negative
Test Type: sister chromatid exchange assay
Test system: Chinese hamster ovary cells
Metabolic activation: without metabolic activation
Method: OECD Test Guideline 479
Result: negative

Carcinogenicity

IARC: 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.
NTP: 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

Specific target organ toxicity - single exposure

No data available

Specific target organ toxicity - repeated exposure

Oral - May cause damage to organs through prolonged or repeated exposure. - Brain

Aspiration hazard

No data available

SECTION 12 – ECOLOGICAL INFORMATION

No additional information provided.

SECTION 13– DISPOSAL CONSIDERATIONS**Waste from residues/unused products:**

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

Contaminated packaging:

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

SECTION 14 – TRANSPORT INFORMATION

No additional information provided.

SECTION 15– REGULATORY INFORMATION

No additional information provided.

SECTION 16 – OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION**Date of preparation of SDS or last change to it:**

See Page 1 for the preparation/revision date.

Restrictions on use:

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

Additional advice:

None.

Full text of H-Statements referred to under sections 2 and 3

H302 Harmful if swallowed.

H311 Toxic in contact with skin.

H331 Toxic if inhaled.
H373 May cause damage to organs through prolonged or repeated exposure.

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