




SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH), Annex II

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

- 1.1 Product identifier**
Trade name Multichem ID-B, Control +
Reference No. SR101B , SR101MB
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**
Identified use(s) In vitro diagnostic reagent. For professional use only.
- 1.3 Details of the supplier of the safety data sheet**
Company Identification Techno-path Manufacturing Ltd
Fort Henry Business Park
Ballina
County Tipperary
Ireland
Telephone +353 (0) 61 525700
E-Mail (competent person) gcsupport@technopathcd.com
- For Australia Only
Telephone +61 3 94181111
- 1.4 Emergency telephone number**
Emergency Phone No. +353 (0) 61 525700

SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture Regulation (EC) No. 1272/2008 (CLP)**
Hazard Statement(s) Skin Sens. 1
H317: May cause an allergic skin reaction.
- 2.2 Label elements**
Hazard Pictogram(s) According to Regulation (EC) No. 1272/2008 (CLP)

- Signal Word(s) WARNING
- Substances that contribute to the classification 2-Methyl-4-isothiazolin-3-one
- Hazard Statement(s) May cause an allergic skin reaction.
- Precautionary Statement(s) Wear protective gloves/protective clothing.
If skin irritation or rash occurs: Get medical advice/attention.
Wash contaminated clothing before reuse.
- 2.3 Other hazards** Contains materials of human origin.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

- 3.2 Mixtures**
Description: In vitro diagnostic reagent. Human plasma containing the hazardous ingredients listed below.
Dangerous components:
EC Classification No. 1272/2008



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Hazardous ingredient(s)	CAS No.	EC No.	REACH Registration No.	Classification code: Hazard statement(s)	%W/W
2-Methyl-4-isothiazolin-3-one	2682-20-4	220-239-6	Not available	Acute Tox. 3; H301, H311, H331 Skin Corr. 1B; H314 Skin Sens. 1; H317 Aquatic Acute 1; H400	0.004 – 0.005
Sodium azide*	26628-22-8	247-852-1	Not available	Acute Tox. 2; H300 Acute Tox. 1; H310 STOT RE 2; H373 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 EUH032	< 0.1

* Substance with a community exposure limit.

3.3 Additional Information

For full text of H phrases see section 16.

The material was confirmed negative for HBV DNA, HIV RNA and HCV RNA using a PCR method.

SECTION 4: FIRST AID MEASURES



4.1 Description of first aid measures

Inhalation
Skin Contact

Supply fresh air; consult doctor in case of complaint.
Wash skin with soap and water. Remove contaminated clothing and wash clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention.

Eye Contact

Rinse cautiously with water for several minutes. Consult a doctor in case of complaint.

Ingestion

Wash out mouth with water. Consult a doctor in case of complaint.

4.2 Most important symptoms and effects, both acute and delayed

Allergic contact dermatitis.

4.3 Indication of the immediate medical attention and special treatment needed

None.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing Media

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

5.2 Special hazards arising from the substance or mixture

In case of fire, the following can be released: Carbon oxides (CO_x), nitrogen oxides (NO_x), sulphur oxides (SO_x).

5.3 Advice for fire-fighters

Use fire-extinguishing methods suitable to surrounding conditions.

Wear full protective suit and self-contained breathing apparatus (SCBA) when extinguishing fires.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Refer to Section 8 for protective measures when handling the spillage.

6.2 Environmental precautions

Do not allow to enter drains, sewers or watercourses.



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- 6.3 Methods and material for containment and cleaning up** Absorb with liquid-binding material (paper towelling, sand, diatomite, acid binders, universal binders, sawdust). Dispose of contaminated material as waste according to Section 13. Swab down area with Chlorox or other disinfecting agent.
- 6.4 Reference to other sections** 8, 13

SECTION 7: HANDLING AND STORAGE

- 7.1 Precautions for safe handling** This product should be handled as a potentially infectious material, as no known test method procedure can offer complete assurance that products derived from materials of human origin will not transmit infectious agents. Refer to Directive 2000/54/EC for information on handling biohazardous materials. Avoid contact with the eyes, skin and mucous membranes. Keep out of reach of children. Wash hands before breaks and after work. Clean work areas with hypochlorite or other disinfecting agent.
- 7.2 Conditions for safe storage, including any incompatibilities** Store in the original container at 2 to 8°C.
- 7.3 Specific end use(s)** In vitro diagnostic reagent.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1.1 Occupational Exposure Limits** EU IOELV / UK EH40

SUBSTANCE.	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m ³)	STEL (ppm)	STEL (mg/m ³)	Note
Sodium azide	26628-22-8		0.1		0.3	Sk

Sk - Can be absorbed through skin.

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Not relevant for this material.

8.2.2 Personal protection equipment

Eye/face protection

Safety glasses recommended. (EN166)



Hand protection

Disposable gloves. (EN374)



Material of gloves:

Latex / natural rubber, Nitrile rubber.

Penetration time of glove material:

Gloves resistance is not critical when the product is handled according to the instructions for use.

Body protection

Laboratory coat.

Respiratory protection

Not normally required.

8.2.3 Environmental Exposure Controls

No special measures are required.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance

Clear Liquid.



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Colour	Yellowish.
Odour	No odour.
Odour Threshold (ppm)	Not applicable.
pH (Value)	7.2 – 7.6
Melting Point (°C) / Freezing Point (°C)	Similar to water, approximately 0°C.
Boiling point/boiling range (°C):	Similar to water, approximately 100°C.
Flash Point (°C)	Not applicable.
Evaporation rate (BA = 1)	Not determined.
Flammability (solid, gas)	Not applicable.
Explosive limit ranges	Not applicable.
Vapour Pressure (Pascal)	Similar to water, approximately 23 hPa.
Vapour Density (Air=1)	Not determined.
Density (g/ml)	~ 1.0
Solubility (Water)	Soluble.
Solubility (Other)	Not determined.
Partition Coefficient (n-Octanol/water)	Not determined.
Auto Ignition Temperature (°C)	Not determined.
Decomposition Temperature (°C)	Not determined.
Viscosity (mPa.s)	Not determined.
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.
9.2 Other information	Not available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	None known.
10.2 Chemical stability	The product is stable in accordance with the recommended storage conditions.
10.3 Possibility of hazardous reactions	Preparation contains sodium azide, which may react with lead to form explosive compounds. Contact with acids may liberate trace amounts of toxic gas (hydrazoic acid). Hazardous polymerisation will not occur.
10.4 Conditions to avoid	None known.
10.5 Incompatible materials	None known.
10.6 Hazardous Decomposition Product(s)	None known.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects	
11.1.2 Mixtures	
Acute toxicity	Based upon the available data, the classification criteria are not met.
Skin corrosion/irritation	Based upon the available data, the classification criteria are not met.
Serious eye damage/irritation	Based upon the available data, the classification criteria are not met.
Respiratory/skin sensitization	May cause an allergic skin reaction.
Germ cell mutagenicity	Based upon the available data, the classification criteria are not met.
Carcinogenicity	Based upon the available data, the classification criteria are not met.
Reproductive toxicity	Based upon the available data, the classification criteria are not met.
STOT-single exposure	Based upon the available data, the classification criteria are not met.
STOT-repeated exposure	Based upon the available data, the classification criteria are not met.



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Aspiration hazard

Based upon the available data, the classification criteria are not met.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity	The product does not contain significant quantities of ingredients that are environmentally toxic.
12.2 Persistence and degradability	This substance is predicted to degrade in soil and water.
12.3 Bioaccumulative potential	The product has no potential for bioaccumulation.
12.4 Mobility in soil	The product is predicted to have high mobility in soil.
12.5 Results of PBT and vPvB assessment	Not applicable.
12.6 Other adverse effects	Not applicable.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods	Dispose of as potentially biohazardous waste and in compliance with anti-pollution and other laws of the country concerned. To ensure compliance we recommend that you contact the relevant (local) authorities and/or an approved waste-disposal company for information.
Product:	To avoid the possible build-up of azide compounds, flush wastepipes with water after the disposal of undiluted reagent.
European waste catalogue:	18 01 03.
Packaging:	Disposal should be in accordance with local, state or national legislation. Contaminated packaging must be disposed of in the same manner as the product. Non-contaminated packaging materials may be recycled. Contact your local service providers for further information.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number	Not applicable
14.2 UN Proper Shipping Name	Not applicable
14.3 Transport hazard class(es)	Not classified as dangerous for transport.
14.4 Packing Group	Not applicable
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	Not applicable
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture	In Vitro diagnostics medical devices directive 98/79/EC.
15.2 Chemical Safety Assessment	Not applicable.



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SECTION 16: OTHER INFORMATION

LEGEND

STOT Specific Target Organ Toxicity

Classification code:

Acute Tox. 3	Acute toxicity, Category 3
Acute Tox. 2	Acute toxicity, Category 2
Acute Tox. 1	Acute toxicity, Category 1
Skin Corr. 1B	skin corrosion/irritation; Category 1B
Skin Sens. 1A	Skin sensitizer, Category 1A
STOT RE 2	Specific target organ toxicity — repeated exposure, Category 2
Aquatic Acute 1	Hazardous to the aquatic environment, Acute, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment, Chronic, Category 1

Hazard statement(s)

H300: Fatal if swallowed.
H301: Toxic if swallowed.
H310: Fatal in contact with skin.
H311: Toxic in contact with skin.
H314: Causes severe skin burns and eye damage.
H317: May cause an allergic skin reaction.
H331: Toxic if inhaled.
H373: May cause damage to organs through prolonged or repeated exposure.
H400: Very toxic to aquatic life.
H410: Very toxic to aquatic life with long lasting effects.
EUH032: Contact with acids liberates very toxic gas.

References:

Raw material safety data sheets.

Additional Information

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