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 U
Reference No.	UC201A.10 / UC202A.10 / UC201X / UC20BX / UC202X 09339868190 / 09339876190

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)	qcsupport@technopathcd.com

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) — Not classified as dangerous for supply/use.

2.2 Label elements — No measures required.

2.3 Other hazards — Contains materials of human origin.

►SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Description: In vitro diagnostic reagent. Aqueous solution. Stabilised human urine with adjusted levels of defined analytes.

Dangerous components:

Hazardous Ingredient(s)	CAS No.	EC No.	REACH Registration No.	Classification code: Hazard Statement(s)	%W/W
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 Statements see section 16. The serum from each donor contributing urine for this material has been tested by United States Food and Drug Administration (FDA) approved methods and found to be negative for antibodies to HIV and HCV, and non-reactive for HBsAg

SECTION 4: FIRST AID MEASURES

4.1	**Description of first aid measures**	
	Inhalation	Supply fresh air; consult doctor in case of complaint.
	Skin Contact	Wash skin with soap and water. Remove contaminated clothing.
	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**	None.
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 (COx), nitrogen oxides (NOx).
5.3	**Advice for fire-fighters**	Use fire-extinguishing methods suitable to surrounding conditions. Wear full protective suit and self-contained breathing aparatus (SCBA) when extinguishing fires.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1	**Personal precautions, protective equipment and emergency procedures**	Isolate spillage and clean up immediately. Refer to Section 8 for protective measures when handling the spillage.
6.2	**Environmental precautions**	Do not allow to enter drains, sewers or watercourses.
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 Chloros 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) — Use as per instructions for use.

►SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational Exposure Limits — EU IOELV / UK EH40

SUBSTANCE.	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m³)	STEL (ppm)	STEL (mg/m³)	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	Liquid.
Colour	Amber.
Odour	Light.
Odour Threshold (ppm)	Not determined.
pH (Value)	5.8 – 6.2.
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 (mm Hg)	Similar to water, approximately 23 hPa.
	Vapour Density (Air=1)	Not determined.
	Density (g/ml)	~ 1
	Solubility (Water)	Completely miscible with water.
	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**	Hazardous polymerisation will not occur.
10.4	**Conditions to avoid**	None.
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. ATE > 2,000 mg/kg
	Irritation	Based upon the available data, the classification criteria are not met.
	Corrosivity	Based upon the available data, the classification criteria are not met.
	Sensitisation	Based upon the available data, the classification criteria are not met.
	Repeated dose toxicity	Based upon the available data, the classification criteria are not met.
	Carcinogenicity	Based upon the available data, the classification criteria are not met.
	Mutagenicity	Based upon the available data, the classification criteria are not met.
	Toxicity for reproduction	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.
	Aspiration hazard	Based upon the available data, the classification criteria are not met.

Health Effects and Symptoms

Skin Contact	No significant harmful effects anticipated.
Eye Contact	No significant harmful effects anticipated.
Ingestion	No significant harmful effects anticipated.

11.2	**Other information**	Not applicable.

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**	The product is readily biodegradable.
12.3	**Bioaccumulative potential**	None anticipated.
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

Product:	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.
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.

►SECTION 16: OTHER INFORMATION

LEGEND

STOT	Specific Target Organ Toxicity
STEL	Short Term Exposure Limit
LTEL	Long Term Exposure limit
TWA	Time Weighted Average
TLV	Threshold Limit Value
ATE	Acute toxicity estimate

Classification code:

Acute Tox. 1	Acute toxicity, Category 1
Acute Tox. 2	Acute toxicity: Category 2
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.
H310: Fatal in contact with skin.
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

Reason for update:	SECTION 2: SECTION 3: SECTION 8: SECTION 11: SECTION 16: ► Indicates altered section
Supersedes:	Version: 4

Additional Information

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