


SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING	
1.1 Product Identifiers	
Product Name	MultiSTAT DRUGS OF ABUSE TOXPLEX BLOOD ARRAY
Cat. No.	EV4516
1.2 Relevant identified uses of the substance or mixture and uses advised against.	<i>For forensic use only. Not for use in diagnostic procedures.</i> Do not pipette by mouth. Handle laboratory reagents in accordance with Good Laboratory Practice.
1.3 Details of the supplier of the safety data sheet	
Company	Randox Laboratories Ltd., 55 Diamond Road, Crumlin, Co. Antrim, United Kingdom, BT29 4QY
Telephone	+44 (0) 28 9442 2413
Fax	+44 (0) 28 9445 2912
E-mail Address	sds@randox.com
Website	www.randox.com
1.4 Emergency Telephone Number	
Emergency Phone No.	+44 (0) 28 9442 2413 (GMT, English spoken, Mon - Fri. 08.40-17.20)

SECTION 2. HAZARDS IDENTIFICATION	
2.1 Classification of the substance or mixture	
2.1.1 Regulation (EC) No. 1272/2008 (CLP)	<u>DOA ToxPlex Blood Cartridge (Multi-Conjugate)</u> Skin Sens. 1: H317 <u>All other components</u> These products contain no hazardous chemicals in reportable quantities according to Regulation (EC) No. 1272/2008 (CLP).
2.1.2 Additional Information	None
2.2 Label Elements	
Labelling according to Regulation (EC) No. 1272/2008 [CLP]	
Product Name	MultiSTAT DRUGS OF ABUSE TOXPLEX BLOOD ARRAY
Hazard Pictogram (s)	<u>DOA ToxPlex Blood Cartridge (Multi-Conjugate)</u>  <u>All other components</u> None assigned
Signal Word (s)	<u>DOA ToxPlex Blood Cartridge (Multi-Conjugate)</u> WARNING <u>All other components</u> None assigned.
Hazard Statement (s)	<u>DOA ToxPlex Blood Cartridge (Multi-Conjugate)</u> Skin Sens. 1: H317 - May cause an allergic skin reaction. <u>All other components</u> None assigned.
Precautionary Statement (s)	<u>DOA ToxPlex Blood Cartridge (Multi-Conjugate)</u> P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P272 - Contaminated work clothing should not be allowed out of the workplace.

	<p>P280 - Wear protective gloves/protective clothing/eye protection/face protection. P302+P352 - IF ON SKIN: Wash with plenty of water. P333+P313 - If skin irritation or rash occurs: Get medical advice/attention. P501 - Dispose of contents/container according to local and national guidelines.</p> <p>All other components None assigned.</p>
Supplemental Hazard information (EU)	Not applicable.
2.3 Other Hazards	<p>The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.</p> <p>This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.</p>

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS						
3.1 Substances – Not applicable						
3.2 Mixtures						
EC Classification No. 1272/2008						
Component Name	Hazardous Chemical	Concentration (% w/v)	CAS No.	REACH Reg. No.	Hazard Statement(s)	Specific Concentration limit, M-factor, and acute toxicity estimate
DOA ToxPlex Blood Cartridge (Multi-Conjugate),	2-Chloracetamide	0 - 0.5%	79-07-2	Not Applicable	Acute Tox. 3; Skin Sens. 1; Repr. 2; H301, H317, H361f	<= 100 % Concentration limits: >= 0.1 %: Skin Sens. 1, H317;
DOA ToxPlex Blood Cartridge (Wash Buffer) Reconstitution Buffer & Sample Diluent.	Mixture of 5-Chloro-2-methyl-4-isothiazolin-3-one and 2-Methyl-4-isothiazolin-3-one (3:1)	0-0.5%	55965-84-9	Not Applicable	Acute Tox. 3: H331; Acute Tox. 3: H311; Acute Tox. 3: H301 Skin Corr.1B;H314 Skin Sens.1A; H317 Aquatic Acute 1: H400 Aquatic Chronic 1: H410	Concentration limits: >= 0.0015 %: Skin Sens. 1, H317; M-Factor (Acute) = 100 M-Factor (Chronic)=100
DOA ToxPlex Blood Cartridge (Assay Diluent).	Ethylenediamine triacetate acid disodium salt dihydrate	1-10%	6381-92-6	01-2119486775-20-XXXX	Acute Tox. 4: H332 STOT RE 2: H373	Not Applicable
DOA ToxPlex Blood Adjusters and Controls.	Methanol	0 – 0.9%	67-56-1	01-2119433307-44-XXXX	Flam. Liq. 2: H225 Acute Tox. 3: H331 Acute Tox. 3: H311 Acute Tox. 3: H301 STOT SE 1: H370	Concentration limits: <10%: STOT SE 2, H371
DOA ToxPlex Blood Adjusters and Controls.	Acetonitrile	0 - 0.005%	75-05-8	01-2119471307-38-XXXX	Flam. Liq. 2: H225 Acute Tox. 4: H332 Acute Tox. 4: H312 Acute Tox. 4: H302 Eye Irrit. 2: H319	Not Applicable
DOA ToxPlex Blood Adjusters and Controls.	Acetaminophen	0 – 0.25%	103-90-2	01-2119935246-37-XXXX	Acute Tox. 4: H302	Not Applicable
DOA ToxPlex Blood Adjusters and Controls.	Pregabalin	0 – 0.5%	148553-50-8	Not Applicable	Repr. 2; H361 STOT SE 3; H336	Not Applicable

DOA ToxPlex Blood Adjusters and Controls.	Salicylic Acid	0 - 0.375%	69-72-7	01-2119486984-17-XXXX	Acute Tox. 4: H302 Eye dmg. 1: H318 Repr. 2: H361d	Not Applicable
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SECTION 4. FIRST AID MEASURES	
4.1 Description of first aid measures	
Inhalation	If inhaled, move victim to fresh air, rest and maintain a half-upright position. Use artificial respiration if necessary. Immediately seek medical attention.
Skin Contact	If skin contact occurs, remove contaminated clothes, rinse skin with plenty of cold water or shower. Seek medical attention.
Eye Contact	If eye contact occurs, first rinse with plenty of cold water for several minutes, then immediately seek medical attention.
Ingestion	If ingested, rinse mouth. Do not induce vomiting. Give plenty of water to drink. Immediately seek medical attention.
Self-protection of the first aider	Wear appropriate personal protective equipment (see section 8.2.2)
4.2 Most important symptoms and effects, both acute and delayed	The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.
4.3 Indication of any immediate medical attention and special treatment needed	Call an internal person trained in First Aid if available or contact a physician.

SECTION 5. FIREFIGHTING MEASURES	
5.1 Extinguishing media	As appropriate for surrounding fire
5.2 Special hazards arising from the substance or mixture	May emit toxic fumes under fire conditions.
5.3 Advice for firefighters	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

SECTION 6. ACCIDENTAL RELEASE MEASURES	
6.1 Personal precautions, protective equipment and emergency procedures	
6.1.1 For non-emergency personnel	Ensure adequate ventilation. Wear appropriate Personal Protective Equipment e.g. laboratory coat, gloves, safety glasses and mask.
6.1.2 For emergency responders	Ensure adequate ventilation. Wear appropriate Personal Protective Equipment e.g. laboratory coat, gloves, safety glasses and mask.
6.2 Environmental Precautions	Not determined.
6.3 Methods and materials for containment and cleaning up	Use appropriate spill absorbent kit as instructed by the manufacturer. Alternatively mop up with an absorbent material and hold for waste disposal.
6.4 Reference to other sections	Refer to Section 8 & 13.

SECTION 7. HANDLING AND STORAGE	
7.1 Precautions for safe handling	Wear personal protective equipment (see section 8.2.2). Wash thoroughly after handling. Do not use if skin is cut or scratched. Avoid contact with eyes, skin and clothing. Do not eat, drink or smoke when using this product.
7.2 Conditions for safe storage, including any incompatibilities	Store at temperatures and conditions as indicated on the product label.
7.3 Specific end use (s)	For forensic use only. Not for use in diagnostic procedures.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION	
8.1 Control Parameters	Not determined.
8.2 Exposure Controls	
8.2.1 Appropriate engineering controls	Ensure adequate ventilation.
8.2.2 Individual protection measures, such as personal protective equipment	
(a) Eye/Face Protection	Approved safety glasses.
(b) Skin protection	
Hand Protection	Standard laboratory rubber or latex gloves.
Other	Laboratory coat.
(c) Respiratory Protection	None required.
(d) Thermal hazards	Not determined.
8.2.3 Environmental Exposure Controls	Not determined.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES	
9.1 Information on basic physical and chemical properties	
Physical State	Solid – DOA ToxPlex Blood Cartridge (Biochip) and DOA ToxPlex Blood Cartridge DOA ToxPlex Blood Adjusters and Controls Liquid - DOA ToxPlex Blood Cartridge (Multi-Conjugate, Wash Buffer, Assay Diluent, LUM-EV934 and PX), Reconstitution Buffer and Sample Diluent
Colour	Black with foil - DOA ToxPlex Blood Cartridge Black - DOA ToxPlex Blood Cartridge (Biochip) Clear liquid - DOA ToxPlex Blood Cartridge (Assay Diluent and PX), Reconstitution Buffer and Sample Diluent, Pale yellow – DOA ToxPlex Blood Cartridge (Multi-Conjugate and Wash Buffer) Yellow - DOA ToxPlex Blood Cartridge (LUM-EV934) White - DOA ToxPlex Blood Adjusters and Controls
Odour	Not determined.
pH	NA - DOA ToxPlex Blood Cartridge (Biochip, Assay Diluent and Multi-Conjugate), DOA ToxPlex Blood Cartridge, DOA ToxPlex Blood Adjusters and Controls 6.0 - DOA ToxPlex Blood Cartridge (PX) 7.0 - Reconstitution Buffer 7.2 - Sample Diluent 7.4 - DOA ToxPlex Blood Cartridge (Wash Buffer) 9.3 - DOA ToxPlex Blood Cartridge (LUM-EV934)
Melting point / Freezing point	Not determined.
Boiling point or initial boiling point and boiling range	Not determined.
Flash point (°C)	Not determined.
Flammability (solid, liquid, gas)	Not determined.
Lower and upper explosion limit	Not determined.
Vapour pressure	Not determined.
Density and/or relative density	Not determined.
Relative vapour density	Not determined.
Solubility(ies)	DOA ToxPlex Adjusters and Controls are soluble in Reconstitution Buffer.

Partition coefficient: (n-octanol/water)	Not determined.
Auto ignition temperature (°C)	Not determined.
Decomposition temperature (°C)	Not determined.
Kinematic viscosity (mPa.s)	Not determined.
Particle Characteristics	Not determined.
9.2 Other information	
9.2.1 Information with regards to physical hazard classes	
Explosive properties	Not determined.
Oxidising properties	Not determined.
9.2.2 Other safety characteristics	Not determined.

SECTION 10. STABILITY AND REACTIVITY	
10.1 Reactivity	Not determined.
10.2 Chemical Stability	Stable under recommended storage conditions.
10.3 Possibility of hazardous reactions	Not determined.
10.4 Conditions to avoid	Not determined.
10.5 Incompatible materials	Not determined.
10.6 Hazardous decomposition products	Not determined.

SECTION 11. TOXICOLOGICAL INFORMATION	
11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008	
<u>Acute toxicity</u>	Not determined.
Ingestion	Not determined.
Inhalation	Not determined.
Skin Contact	Not determined.
Eye Contact	Not determined.
Skin corrosion/irritation	Not determined.
Serious eye damage/eye irritation	Not determined.
Respiratory or skin sensitization	Not determined.
Germ cell mutagenicity	Not determined.
Carcinogenicity	Not determined.
Reproductive toxicity	Not determined.
Summary of evaluation of the CMR properties	Not determined.
STOT – Single exposure	Not determined.
STOT- Repeated exposure	Not determined.
Aspiration hazard	Not determined.
11.2 Information on other Hazards	
11.2.1 Endocrine disrupting properties	The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

11.2.2 Other information	Not determined.
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SECTION 12. ECOLOGICAL INFORMATION	
12.1 Toxicity	Not determined.
12.2 Persistence and degradability	Not determined.
12.3 Bioaccumulative potential	Not determined.
12.4 Mobility in soil	Not determined.
12.5 Results of PBT and vPvB assessment	Not determined.
12.6 Endocrine disrupting properties	The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
12.7 Other adverse effects	Not determined.

SECTION 13. DISPOSAL CONSIDERATIONS	
13.1 Waste Treatment Methods	Each disposal facility must determine proper disposal methods of the substance or mixture and any contaminated packaging to comply with Local and National Environment Regulations. Refer to section 6.

SECTION 14. TRANSPORT INFORMATION	
14.1 UN Number or ID Number	Not classified as hazardous for transport.
14.2 UN Proper Shipping Name	Not determined.
14.3 Transport hazard class (es)	Not applicable.
14.4 Packing Group	Not applicable.
14.5 Environmental Hazards	Not determined.
14.6 Special Precautions for User	Refer to section 7.
14.7 Maritime transport in bulk according to IMO instruments	Not applicable.

SECTION 15. REGULATORY INFORMATION	
This safety data sheet complies with the requirements of Regulation (EU) 2020/878	
15.1 Safety, health and environmental Regulations/legislation specific for the substance or mixture	Not determined.
15.2 Chemical Safety Assessments	A CSA has not been carried out.

SECTION 16. OTHER INFORMATION	
<p>Text of Hazard Statements in Section 3</p> <p>Aquatic Acute 1: H400 - Very toxic to aquatic life.</p> <p>Aquatic Chronic 1: H410 - Very toxic to aquatic life with long-lasting effects.</p> <p>Acute Tox. 3: H301 - Toxic if swallowed.</p> <p>Acute Tox. 3: H311 - Toxic in contact with skin.</p> <p>Acute Tox. 3: H331 - Toxic if inhaled.</p> <p>Acute Tox. 4: H302 - Harmful if swallowed.</p> <p>Acute Tox. 4: H312 - Harmful in contact with skin.</p>	

Acute Tox. 4: H332 - Harmful if inhaled.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Liq. 2: H225 - Highly flammable liquid and vapour.
Repr. 2: H361 - Suspected of damaging fertility or the unborn child.
Repr. 2: H361d - Suspected of damaging the unborn child.
Repr. 2: H361f - Suspected of damaging the unborn child.
Skin Corr.1A: H317 - Causes severe skin burns and eye damage.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
STOT SE 1: H370 - Causes damage to organs.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure.
STOT SE 3: H336 - May cause drowsiness or dizziness.

Relevant changes since previous revision

N/A Revision A.

The information provided herein is believed to be correct as of the date hereof but does not purport to be all-inclusive and shall be used only as a guide. The information present in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. The recipient of our products is responsible for observing any National Laws and guidelines applicable.