

Complying with Regulation (EC) No 1272/2008 (CLP) as amended by Commission Regulation (EU) 2020/878 – (Ireland)

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING****1.1 Product identifier**

**Product name:** xMAP<sup>®</sup> Sheath Fluid PLUS

**Other means of identification:**

**Commercial name(s):** xMAP<sup>®</sup> Sheath Fluid PLUS

**Product Codes:** 40-50035, 40-50021

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

**Relevant identified uses:** For Professional use only. Use as per Product Insert

**Uses advised against:** Uses other than those described above.

**1.3 Details of the supplier of the safety data sheet**

**Company Name:** Luminex Corporation.  
**Company Address:** 12212 Technology Blvd  
Austin, Texas 78727  
**Company Tel (Enquiries):** Tel: 1-512-381-4397  
Fax: 1-512-219-5114  
<http://www.luminexcorp.com>

**1.4 Emergency telephone number**

**Emergency telephone number (including hours of operation):** 1-(512) 381-4397

**Emergency email:** [support@luminexcorp.com](mailto:support@luminexcorp.com)

**Hours of operations:** 24/7

**Poison Centre Information:**

National Poisons Information Centre: 353 (1) 809 2166 (8.00 a.m. to 10.00 p.m. 7 days a week). Healthcare Professionals: +353 (1)809 2566 (24 hour service)

**SECTION 2: HAZARDS IDENTIFICATION****2.1 Classification of the substance or mixture**

Classification in accordance to Regulation (EC) No. 1272/2008 (CLP/GHS)

<b>Product name</b>	<b>GHS Classification</b>
xMAP <sup>®</sup> Sheath Fluid PLUS	Not classified as hazardous

**2.2 Label elements**

Labelling in accordance with Regulation 1272/2008

**Hazard pictograms:** None required

**Signal word:** Not applicable

**Hazard statements:** None required

**Precautionary Statements:** None required

**Supplemental Hazard Statements.** None required

**2.3 Other hazards**

This substance/mixture does not contain any components at concentrations of > 0.1%, which are considered to be an endocrine-disrupting substance.

No components are classified as persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.1 Substances :**

Not applicable

**3.2 Mixture :**

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

**Nanoforms present in product:** Not applicable

**SECTION 4: FIRST AID MEASURES****4.1 Description of first aid measures**

**Eye contact:** In case of eye contact, remove any contact lenses and flush for at least 15 minutes. If eye irritation develops, consult a specialist.

**Skin contact:** Wash off with warm water and soap, Get medical attention if irritation develops and persists, Remove and wash contaminated clothing before re-use.

**Inhalation:** Move to fresh air, Get medical attention immediately if symptoms occur.

**Ingestion:** Clean mouth with water and afterwards drink plenty of water. Do NOT induce vomiting.

**4.2 Most important symptoms and effects, both acute and delayed**

None expected.

**4.3 Indication of any immediate medical attention and special treatment needed**

If any symptoms are observed, contact a physician and give them this SDS sheet. Provide general supportive measures and treat symptomatically:

**SECTION 5: FIREFIGHTING MEASURES****5.1 Extinguishing media**

Suitable extinguishing media: In case of fire: Use water spray (fog), carbon dioxide (CO<sub>2</sub>), dry chemical powder or foam to extinguish. Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media: None known.

**5.2 Special hazards arising from the substance or mixture**

Not expected to be flammable but may release toxic and corrosive fumes. In the case of a fire, take into account the surrounding area.

Hazardous combustion products:

Carbon dioxide, carbon monoxide, nitrogen oxides, sodium, oxides.

**5.3 Advice for firefighters**

Move containers from fire area if you can do it without risk. Cool containers with flooding quantities of water until well after fire is out. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Keep out of drains, sewers, ditches and waterways. Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Wear self-contained breathing apparatus and protective clothing. In addition, wear other appropriate protective equipment as conditions warrant (see Section 8).

**SECTION 6: ACCIDENTAL RELEASE MEASURES****6.1 Personal precautions, protective equipment and emergency procedures****For non-emergency personnel**

No action shall be taken involving any personal risk or without suitable training. Keep unnecessary and unprotected personnel from entering.

**For emergency responders**

Avoid contact with the skin and the eyes. Avoid breathing vapours, mist or gas. Wear appropriate protective equipment, such as gloves, goggles and protective clothing, as conditions warrant (see Section 8).

**6.2 Environmental precautions**

Avoid disposal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.

**6.3 Methods and materials for containment and cleaning up**

Use appropriate containment (of product and firefighting water) to avoid environmental contamination. Absorb spill with inert material and place in suitable container for disposal.

**6.4 Reference to other sections**

See Section 1 for emergency contact information.

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

**SECTION 7: HANDLING AND STORAGE****7.1 Precautions for safe handling**

Use only with adequate ventilation. Wear appropriate personal protective equipment and use exposure controls as indicated in Section 8. Avoid contact with skin and eyes. Remove contaminated clothing. Wash with soap and water after working with this product.

**7.2 Conditions for safe storage, including any incompatibilities**

Keep away from flame, sparks, excessive temperatures and open flames. Keep away from strong oxidizers, ignition sources and heat.

Storage temperature: Store at 15°C to 30°C upon receipt

**Seveso Directive - Reporting thresholds (in tonnes)****Danger criteria**

None Listed

**7.3 Specific end use(s):**

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

**SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION****8.1 Control parameters****Occupational exposure limit values:**

None known

**Monitoring procedures:** Use methods described in European Standards.**Derived No Effect Level (DNEL):**

Not applicable

**Predicted No Effect Concentration (PNEC):**

Not applicable

**8.2 Exposure controls****Appropriate Engineering Measures**

No special ventilation requirements. Apply technical measures to comply with the occupational exposure limits. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Ensure adequate ventilation to keep airborne concentrations low. Do not empty waste into water drains.

**Individual protection measures, such as personal protective equipment:**

Eye and face protection: Not required under normal conditions of use.

Skin protection:

Hand protection: Not required under normal conditions of use.

Other skin protection: Not required under normal conditions of use. Wash hands after use.

Respiratory protection: Not required under normal conditions of use.

Thermal hazards: None known.

**Environmental exposure controls:** Prevent further leakage or spillage if safe to do so. Prevent product from entering drains or water systems.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES****9.1 Information on basic physical and chemical properties**

Physical State:	Liquid.
Colour:	Colourless
Odour and odour threshold:	Odourless
Melting point/Freezing point:	Not Determined
Boiling point or initial boiling point and boiling range:	Not Determined
Flammability:	Not Determined
Lower and upper explosion limit::	
Lower (%):	Not Determined
Upper (%):	Not Determined

Flash point:	Not Determined
Auto-ignition temperature:	Not Determined
Decomposition temperature:	Not Determined
pH:	Not Determined.
Kinematic viscosity:	Not Determined
Solubility:	Not Determined
Partition coefficient	
n-octanol/water (log value):	Not Determined
Vapour pressure:	Not Determined
Density and/or relative density:	Not Determined
Relative vapour density:	Not Determined
Decomposition temperature:	Not Determined
Particle characteristics:	Not Determined

**9.2 Other information:**

Information with Regard to	
Physical Hazard Classes:	None known
Other Safety Characteristics:	None known

**SECTION 10: STABILITY AND REACTIVITY****10.1 Reactivity**

This product is not expected to be reactive under normal handling and storage conditions.

**10.2 Chemical stability**

Material is stable under normal conditions.

**10.3 Possibility of hazardous reactions**

None expected

**10.4 Conditions to avoid**

None known.

**10.5 Incompatible materials**

Strong oxidizing agents

**10.6 Hazardous Decomposition products:**

Under normal conditions of storage and use, hazardous decomposition products should not be produced

**SECTION 11: TOXICOLOGICAL INFORMATION****11.1 Information on toxicological effects**

<b>Acute toxicity:</b>	Not expected to cause acute toxicity
<b>Skin corrosion/irritation:</b>	Not expected to cause skin irritation.
<b>Serious eye damage/eye irritation:</b>	Not expected to cause eye irritation.
<b>Respiratory or skin sensitization:</b>	Not expected to cause respiratory sensitization. Not expected to cause skin sensitization or allergic reaction.
<b>Germ cell mutagenicity:</b>	Not expected to cause heritable mutations in human germ cells.
<b>Carcinogenicity:</b>	Not expected to cause cancer.

**Reproductive toxicity:** Not expected to cause damage to fertility or the unborn child.

**STOT – Single exposure:** This product is not expected to cause specific target organ toxicity after a single exposure.

**STOT – Repeat exposure:** This product is not expected to cause specific target organ toxicity after prolonged or repeated exposure.

**Aspiration hazard:** This product is not anticipated to be an aspiration hazard if swallowed.

#### 11.2 Information on other hazards:

**Endocrine disrupting properties:** None of the components have endocrine disrupting properties

**Information on other hazards:** None known

### **SECTION 12: ECOLOGICAL INFORMATION**

#### **12.1 Toxicity:**

Not expected to cause aquatic toxicity

#### **12.2 Persistence and Degradability:**

No data available for this product

#### **12.3 Bioaccumulative potential:**

No data available for this product

#### **12.4 Mobility in soil:**

No data available for this product

#### **12.5 Results of PBT and vPvB assessment:**

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.

#### **12.6 Endocrine disrupting properties**

None known.

#### **12.7 Other adverse effects:**

None known.

### **SECTION 13: DISPOSAL CONSIDERATIONS**

#### **13.1 Waste treatment methods:**

##### **Methods of disposal**

The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

##### **Hazardous Waste**

The classification of the product may not meet the criteria for a hazardous waste.

##### **Contaminated packaging – methods of disposal**

The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered where recycling is not feasible.

**Special precautions**

This material and its container must be disposed of in a safe way. Care should be taken when handling empty containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid disposal of spilt material and runoff and contact with soil, waterways, drains and sewers.

**SECTION 14: TRANSPORT INFORMATION****International transport regulations****14.1 UN number:**ADR/RID/ADN: Not applicableIMDG: Not applicableIATA: Not applicable**14.2 Proper shipping name:**ADR/RID/ADN: Not regulated for transportIMDG: Not regulated for transportIATA: Not regulated for transport**14.3 Transport hazard class(es)**ADR/RID/ADN: Not applicableIMDG: Not applicableIATA: Not applicable**14.4 Packing group**ADR/RID/ADN: Not applicableIMDG: Not applicableIATA: Not applicable**14.5 Environmental hazard**

Marine Pollutant: Not expected

**Additional information:**ADR/RID/ADN: Not applicableIATA: Not applicableIMDG: Not applicable**14.6 Special precautions for user**

Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**14.7 Maritime transport in bulk according to IMO instruments**

Not applicable

**Section 15: REGULATORY INFORMATION****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

This safety datasheet complies with the requirements of:

EU Commission Regulation (EU) 2020/878 (REACH)

EU Regulation (EC) No 1272/2008 (CLP)

EINECS: All components in this product are listed on the European Inventory of Existing Chemical Substance**Annex XIV - List of substances subject to authorisation**

None known

<b>Luminex<sup>®</sup></b>	<b>SAFETY DATA SHEET</b>	
<b>xMAP<sup>®</sup> Sheath Fluid PLUS</b>	28th Aug 2022	Page 8 of 9

German Ordinance on Facilities Handling Substances that are Hazardous to Water (Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen (AwSV)):

CHEMICAL	Identification number	WGK (Water hazard class)
Sodium azide	636	WGK 2
<b>PRODUCT</b>		<b>WGK 2</b>

NWG - non-hazardous to water  
 WGK1 - slightly hazardous to water  
 WGK2 - obviously hazardous to water  
 WGK3 - highly hazardous to water.

Substances that are currently not published with a WGK classification in the Bundesanzeiger must be regarded as highly hazardous to water (WGK 3) for reasons of precaution.

#### **15.2 Chemical safety assessment**

For this product a chemical safety assessment was not carried out on this product.

#### **Section 16: OTHER INFORMATION**

##### **Full text of H and P-Statements referred to under sections 2 and 3.**

Not applicable

**Training advice:** Before using/handling the product one must read carefully present SDS.

##### **Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]**

Not applicable

##### **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European  
 CAS: Chemical Abstracts Service (division of the American Chemical Society)  
 CLP: Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures  
 DNEL: Derived No Effect Level  
 EC50: Half maximal effective concentration  
 EINECS: European Inventory of Existing Commercial Chemical Substances  
 EU: European Union  
 GHS: Globally Harmonized System of Classification and Labeling of Chemicals  
 IATA: International Air Transport Association  
 IBC: International Bulk Code  
 IMDG: International Maritime Code for Dangerous Goods  
 IOELV: Indicative Occupational Exposure Limit Value  
 LC50: Lethal concentration, 50 percent  
 LD50: Lethal dose, 50 percent  
 MARPOL: International Convention for the Prevention of Pollution from Ships  
 OEL: Occupational Exposure Level  
 PBT: Persistent, Bioaccumulative and Toxic  
 PNEC: Predicted No Effect Level  
 REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals  
 SCBA: Self Contained Breathing Apparatus  
 SCL: Specific Concentration Limits  
 UN: United Nations  
 VPvB: Very Persistent and very Bioaccumulative



<b><i>Luminex</i></b> <sup>®</sup>	<b>SAFETY DATA SHEET</b>	
<b>xMAP<sup>®</sup> Sheath Fluid PLUS</b>	<b>28th Aug 2022</b>	<b>Page 9 of 9</b>

WEL: Workplace Exposure Limit

**Document history**

Date of issue: 28<sup>th</sup> August 2022

Version no. 1

DISCLAIMER: To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.