

# SAFETY DATA SHEET



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Version: Plasm - ly - 1.3

## Section 1 – Product and Company Identification

- 1.1 Product Name:** PhyPrep Lysis Buffer
- 1.2 Recommended Use:** R&D use
- 1.3 Manufacturers Name:** PhyNexus, part of Biotage  
3670 Charter Park Drive  
San Jose, CA 95136  
U.S.A.

### 1.4 Contact details:

#### Europe

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e-mail: [info@shimadzu.com.au](mailto:info@shimadzu.com.au)

## Section 2 – Hazards Identification

### 2.1 Classification of the product Classification according to Regulation (EC) No 1272 / 2008

Skin irritation (Category 2) H315 Causes skin irritation  
Eye irritation (Category 2) H319 Causes serious eye irritation

### 2.2 Label elements Labelling according to Regulation (EC) No 1272 / 2008

Pictogram



Signal word Warning  
Caution – substance not yet tested completely

Hazard Statements

H315 Causes skin irritation  
H319 Causes serious eye irritation

Precautionary Statements

P280 Wear protective gloves / eye protection / face protection  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing  
P308 + P313 IF exposed or concerned get medical advice / attention

### 2.3 Other hazards No information available

### Section 3 – Composition/Information on Ingredients

Name:	<b>PhyPrep Lysis Buffer</b>			
Synonyms:	Aqueous buffers for plasmid purification Base SDS buffered solution, pH 10–11			
CAS – No.	EC – No.	Index – No.	Classification	Concentration

Name:	<b>Sodium hydroxide</b>			
Synonyms:	NaOH			
CAS – No.	EC – No.	Index – No.	Classification	Concentration
1310-73-2	215-185-5		Skin Corr. 1A; H314	< 1%

Name:	<b>SDS</b>			
Synonyms:	Dodecylsodium sulfate, Dodecyl sulfate sodium salt, Lauryl sulfate sodium salt, SDS, Sodium lauryl sulfate			
CAS – No.	EC – No.	Index – No.	Classification	Concentration
151-21-3			Flam. Sol 2; Acute Tox 4; Skin Irrit. 2; Eye Dam. 1; STOT SE 3; Aquatic chronic 3; H228, H302, H315, H318, H412	< 3 %

Name:	<b>Water</b>			
Synonyms:	H <sub>2</sub> O			
CAS – No.	EC – No.	Index – No.	Classification	Concentration
7732-18-5				95%

### Section 4 – First Aid Measures

- 4.1 Inhalation:** If inhaled, move affected person to fresh air. If breathing is difficult give oxygen. If breathing has stopped give artificial respiration
- 4.2 Skin Contact:** Wash with soap and plenty of water. Seek medical attention if irritation develops or persists
- 4.3 Eye Contact:** Wash thoroughly with plenty of water for at least 15 minutes, separating the eyelids with the fingers. Seek immediate medical attention
- 4.4 Ingestion:** Wash out mouth with copious amounts of water if person is conscious. Never give anything by mouth to an unconscious person. Allow water to be drunk. Seek medical attention

### Section 5 – Fire-Fighting Measures

- 5.1 Suitable Extinguishing Media**  
Not combustible. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- 5.2 Unusual Fire Hazards and Explosion Hazards**  
Nature of decomposition products not known.
- 5.3 Special protective equipment for Fire Fighters**  
Wear self-contained breathing apparatus for firefighting if necessary and appropriate to local circumstances and the surrounding environment.

### Section 6 – Accidental Release Measures

- 6.1 Personal precautions**  
Ventilate the area thoroughly and shut off sources of ignition. Use protective equipment as described in Section 8. Avoid raising dust. Avoid breathing dust, vapours, mist, or gas. Avoid contact with skin and eyes
- 6.2 Environmental Precautions**  
Do not let product enter drains
- 6.3 Methods and materials for containment and cleaning up**  
Contain spillage and then collect with non-combustible absorbent material (e.g. sand, diatomaceous earth, vermiculite)  
Place in suitable, closed containers for disposal according to local regulations (see Section 13).



## Section 11 – Toxicological Information

To the best of our knowledge, the toxicological properties of this material have not been fully investigated

- (a) **Acute toxicity**  
No data available
- (b) **Skin corrosion / irritation**  
No data available
- (c) **Serious eye damage / eye irritation**  
No data available
- (d) **Respiratory or skin sensitisation**  
No data available
- (e) **Germ cell mutagenicity**  
No data available
- (f) **Carcinogenicity**  
No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC
- (g) **Reproductive toxicity**  
No data available
- (h) **Specific target organ toxicity – single exposure**  
No data available
- (i) **Specific target organ toxicity – repeated exposure**  
No data available
- (j) **Aspiration hazard**  
No data available
- (k) **Potential health effects**
  - Inhalation** May cause irritation of the respiratory tract
  - Ingestion** May be harmful if swallowed. May cause irritation of the digestive tract
  - Skin** May cause skin irritation
  - Eyes** May cause eye irritation

## Section 12 – Ecological Information

The eco – toxicological properties of this material have not been fully investigated

- 12.1 Toxicity**  
No data available
- 12.2 Persistence and degradability**  
No data available
- 12.3 Bio – accumulative potential**  
No data available
- 12.4 Mobility in soil**  
No data available
- 12.5 PBT and vPvB assessment**  
This mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative and toxic (vPvB) at levels of 0.1% or higher
- 12.6 Other adverse effects**  
No data available

## Section 13 – Disposal Considerations

- 13.1 Product**  
Offer surplus and non – recyclable solutions to a licensed professional waste disposal service to dispose of this material in accordance with local and national regulations
- 13.2 Contaminated packaging**  
Dispose of as unused product

## Section 14 – Transport Information

Not classified as dangerous goods by ADR / RID, IMDG, or IATA

## Section 15 – Regulatory Information

### 15.1 Safety, health, and environmental regulations / legislation specific for the substance or mixture

This safety data sheet complies with the requirements of Regulation (EU) 2015/830

International Chemical Weapons Convention (CWC) Schedules of Toxic Chemicals and Precursors: Neither banned nor restricted

Restrictions on the marketing and use of certain dangerous substances and preparations: Neither banned nor restricted

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals: Neither banned nor restricted

Candidate List of Substances of Very High Concern for Authorization: Not listed

US (TSCA) Note: substances meeting the definition in 40 CFR 723 of the Toxic Substance Control Act (TSCA) are exempt from the notification requirements of the Act. This material falls within this definition

## Section 16 – Other Information

This substance must only be handled by, or under close supervision of those qualified in the handling and use of potentially hazardous substances. This Safety Data Sheet is offered without charge to the clients of Biotage and it is issued only as a guide for safe handling, use, storage, disposal, and release. Information contained on this sheet is the most current available to Biotage at the time of preparation but does not purport to be all inclusive or a guarantee as to the properties of the material supplied. Biotage makes no warranties or representations as to the accuracy and completeness of the information contained herein. Biotage shall not be held responsible for the suitability of this information for the user's intended purposes or the consequences of such use and shall not be liable for any damage or loss, howsoever arising, direct or otherwise.

### Key to Abbreviations

**CAS:** Chemical Abstract Service. **NIOSH:** National Institute for Occupational Safety & Health. **ADR / RID:** Agreement on Dangerous Goods by Road / Regulations Concerning the transport of Dangerous Goods by Rail. **IMDG:** International Maritime Dangerous Goods Code. **IATA:** International Air Transport Association.