

SAFETY DATA SHEET

SECTION 1: Identification of the product and of the company

1.1 Product identifiers

Product name	Bradford Reagent, 1X
Brand	BioPioneer
CAT No.	BPBOI0017
Identified uses	For Laboratory and Research Use.

1.2 Details of the supplier of the safety data sheet

Company	BioPioneer Pvt Ltd
Address	KIIT-TBI, Campus 11 Patia, Bhubaneswar Khorda -751024 INDIA www.biopioneer.in
Contact Us	
Mail Id	info@biopioneer.in
Tel. No.	+917991084428

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Not a hazardous substance or mixture.

2.2 Label elements

Labelling According to Regulation (EC) No 1272/2008

Pictogram: 

Signal Word: Warning

Hazard Statements:

H290: May be corrosive to metals.

H315: Causes skin irritation.

H319: Causes severe eye irritation.

H371: May cause damage to organs, including the eyes and central nervous system.

Precautionary Statements:

P234: Store in its original packaging only.

P260: Avoid inhaling mist or vapours.

P264: Wash your skin thoroughly after handling.

P302 + P352: If on skin, wash with plenty of water.

P305 + P351 + P338: If in eyes, rinse cautiously with water for several minutes. Remove contact lenses if they are present and easy to take out, then continue rinsing.

P308 + P311: If you are exposed or concerned, contact a poison control centre or doctor.

Supplemental Hazard Statements: None.

Reduced Labeling (for containers ≤ 125 ml):

Pictogram: 

Signal Word: Warning

Hazard Statements: None

Precautionary Statements: None

Supplemental Hazard Statements: None.

2.3 Other hazard

This substance/mixture has no components that are considered persistent, bioaccumulative, and toxic (PBT) or very persistent and very bioaccumulative (vPvB) at concentrations of 0.1% or higher.

SECTION 3: Composition

3.1 Mixtures

Component	Classification	Concentration
phosphoric acid		
CAS-No.	7664-38-2	>= 10 - < 20 %
EC-No.	231-633-2	
Molecular Formula	H ₃ PO ₄	
Molecular Weight	98.00	
	Met. Corr. 1; Acute Tox. 4; Skin Corr. 1B; Eye Dam. 1; H290, H302, H314, H318 Concentration limits: >= 25 %: Skin Corr. 1B, H314; 10 - < 25 %: Skin Irrit. 2, H315; 10 - < 25 %: Eye Irrit. 2, H319; >=	

		1 %: Met. Corr. 1, H290;	
Methanol			
CAS-No.	67-56-1	Flam. Liq. 2; Acute Tox. 3; STOT SE 1; H225, H301, H331, H311, H370	>= 3 - < 10 %
EC-No.	200-659-6		
Index-No.	603-001-00-X		
Registration number	01-2119433307-44- XXXX	Concentration limits: >= 10 %: STOT SE 1, H370; 3 - < 10 %: STOT SE 2, H371;	

For the full text of the H-Statements mentioned in this Section, see Section

SECTION 4: First aid measures

4.1 General Advice:

Provide this safety data sheet to the attending physician.

4.2 If Inhaled:

Move to fresh air immediately and call a physician. If breathing has stopped, start artificial respiration right away, and provide oxygen if needed.

4.3 In Case of Skin Contact:

Remove all contaminated clothing immediately and rinse the skin with water or take a shower. Seek medical attention right away.

4.4 In Case of Eye Contact:

Rinse eyes thoroughly with plenty of water and consult an eye specialist. Remove contact lenses if present.

4.5 If Swallowed:

Have the person drink water immediately (no more than two glasses) and seek medical advice.

SECTION 5: Personal protection

5.1 Exposure controls

Personal protective equipment

Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards.

Skin protection

Wear gloves when working with this product. Check the gloves beforehand to ensure they are free from damage. To avoid skin exposure, remove the gloves using the appropriate method, not

touching the outer surface. Dispose of the gloves according to relevant regulations and lab safety standards. After removing gloves, thoroughly wash and dry your hands. Ensure that the gloves used meet the specifications of EU Directive 89/686/EEC and EN 374.

Body Protection

A full protective suit against chemicals is essential. The type of protective equipment should be selected based on the concentration and amount of the hazardous substance present at the specific workplace

Respiratory protection

If a risk assessment determines that air-purifying respirators are suitable, use a full-face respirator with multi-purpose combination cartridges (US) or type ABEK cartridges (EN 14387) as a supplementary measure alongside engineering controls. If the respirator is the only protection available, use a full-face supplied air respirator. Ensure that all respirators and their components are tested and approved according to relevant standards, such as NIOSH (US) or CEN (EU).

Control of environmental exposure

No special environmental precautions are required.

SECTION 6: Physical and chemical properties

6.1 Information on basic physical and chemical properties

Property	Details
a) Physical State	Liquid
b) Color	Colorless
c) Odor	No data available
d) Melting Point/Freezing Point	No data available
e) Initial Boiling Point and Boiling Range	No data available
f) Flammability (Solid, Gas)	No data available
g) Upper/Lower Flammability or Explosive Limits	No data available
h) Flash Point	No data available
i) Autoignition Temperature	No data available
j) Decomposition Temperature	No data available
k) pH	No data available
l) Viscosity	Kinematic Viscosity: No data available Dynamic Viscosity: No data available
m) Water Solubility	Soluble in Water
n) Partition Coefficient (n-octanol/water)	No data available
o) Vapor Pressure	No data available
p) Density	1,066 g/cm ³ at 20°C

Property	Details
q) Relative Vapor Density	Relative Density: No data available
r) Particle Characteristics	No data available
s) Explosive Properties	No data available
t) Oxidizing Properties	Not classified as explosive
	None

SECTION 7: Stability and reactivity

7.1 Reactivity

No data available

7.2 Chemical stability

The product remains chemically stable under normal room temperature conditions.

7.3 Possibility of Hazardous Reactions

Violent reactions may occur with substances that are commonly known to react with water.

7.4 Incompatible materials

Strong oxidising agents, Strong acids

7.5 Hazardous decomposition products

No data available

SECTION 8: Toxicological information

8.1 Information on toxicological effects

Acute Toxicity:

Oral: No data available

Inhalation: No data available

Dermal: No data available

Skin Corrosion/Irritation:

The mixture is known to cause skin irritation.

Serious Eye Damage/Eye Irritation:

The mixture is known to cause serious eye irritation.

Respiratory or Skin Sensitization:

No data available

Germ Cell Mutagenicity:

No data available

Carcinogenicity:

No data available

Reproductive Toxicity:

No data available

Specific Target Organ Toxicity - Single Exposure:

The mixture may cause organ damage, specifically to the eyes and central nervous system.

Specific Target Organ Toxicity

No data available

Aspiration Hazard:

No data available

SECTION 9: Transport information

9.1 UN Number

- ADR/RID: Not applicable
- IMDG: Not applicable
- IATA: Not applicable

9.2 UN Proper Shipping Name

- ADR/RID: Not classified as dangerous goods
- IMDG: Not classified as dangerous goods
- IATA: Not classified as dangerous goods

9.3 Transport Hazard Class(es)

- ADR/RID: Not applicable
- IMDG: Not applicable
- IATA: Not applicable

9.4 Packaging Group

- ADR/RID: Not applicable
- IMDG: Not applicable
- IATA: Not applicable

9.5 Environmental Hazards

- ADR/RID: No
- IMDG: Marine pollutant: No
- IATA: No

9.6 Special Precautions for User

- No data available

Further Information

This product is not classified as dangerous under transport regulations.

SECTION 10: Disposal information

10.1 Waste treatment methods

No data available

SECTION 11: Disposal information

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

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

Other regulations

Take note of Dir 94/33/EC on the protection of young people at work.

11.2 Chemical Safety Assessment

For this product, a chemical safety assessment was not carried out

SECTION 12: Other Information

H225	Highly flammable liquid and vapour.
H290	May be corrosive to metals.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.

The information in this safety data sheet is believed to be accurate but not exhaustive. It is provided as a guide for safe material handling by trained professionals, based on the current understanding of its use, handling, storage, and disposal. This document should not be considered a warranty of the product's properties. The company is not responsible for any damages resulting from improper use or handling of the product. Unless explicitly stated in the product or accompanying documentation, it is intended solely for research or testing purposes and not other uses.