



Material Safety Data Sheet

PBS (10X), pH 7.4

1. IDENTIFICATION OF THE PREPARATION/SUBSTANCE AND OF THE COMPANY

Preparation Name: PBS (10X), pH 7.4
Catalogue number of the product: CC708-0500
Use of the preparation:
For laboratory use.
Company identification: Genedirex, Inc.
Website: www.genedirex.com

2. HAZARDS IDENTIFICATION

GHS - Classification
Signal Word None
Health hazards Not classified
Hazard Statements Not Applicable
Precautionary Statements Not Applicable
Principle Routes of Exposure
Potential Health Effects
Eyes May cause eye irritation with susceptible persons.
Skin May cause skin irritation in susceptible persons.
Inhalation May be harmful by inhalation.
Ingestion May be harmful if swallowed.
Specific effects
Carcinogenic effects None.
Mutagenic effects None.
Reproductive toxicity None.
Sensitization None.
Target Organ Effects No known effects under normal use conditions.
HMIS
Health 0
Flammability 0
Reactivity 0

3. COMPOSITION/ INFORMATION ON INGREDIENTS

The product contains no substances which at their given concentration, are considered to be hazardous to health.

4. FIRST-AID MEASURES

Skin contact Rinse cautiously with water for several minutes.
Immediate medical attention is not required.
Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
If symptoms persist, call a physician.
Ingestion Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Do not induce vomiting without medical advice.
Inhalation Remove to fresh air. If symptoms persist, call a physician.
If not breathing, give artificial respiration.
Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media Water spray. Carbon dioxide (CO₂). Foam. Dry chemical.
Special protective equipment for fire fighters Wear self-contained breathing apparatus and protective suit.



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6. ACCIDENTAL RELEASE MEASURES

Personal precautions Use personal protection equipment.
Methods for cleaning up Soak up with inert absorbent material.
Environmental precautions
Prevent further leakage or spillage if safe to do so.
See Section 12 for more information.

7. HANDLING AND STORAGE

Handling Always wear recommended Personal Protective Equipment.
No special handling advices are necessary.
Storage Keep in a dry, cool and well-ventilated place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits
We are not aware of any national exposure limit.
Engineering measures Ensure adequate ventilation, especially in confined areas.
Personal Protective Equipment
Personal Protective Equipment requirements are dependent on the user institution's risk assessment and are specific to the risk assessment for each laboratory where this material may be used.
Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment.
Hand protection Impervious gloves.
Eye protection Wear safety glasses with side shields (or goggles).
Skin and Body Protection Lightweight protective clothing.
Hygiene measures Handle in accordance with good industrial hygiene and safety practice.
Environmental exposure controls Prevent product from entering drains.

9. PHYSICAL AND CHEMICAL PROPERTIES

General information
Form Liquid
Appearance No data available
Odor No data available
Odor Threshold No data available
Boiling point / boiling range °C No data available °F No data available
Melting point / melting range °C No data available °F No data available
flash point °C No data available °F No data available
Autoignition Temperature °C No data available °F No data available
Oxidizing properties No data available
Water solubility soluble
Viscosity No data available
pH value 7.4

10. STABILITY AND REACTIVITY

Stability Stable under normal conditions.
Materials to avoid No dangerous reaction known under conditions of normal use.
Hazardous decomposition products None under normal use conditions.
Polymerization Hazardous polymerization does not occur.



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11. TOXICOLOGICAL INFORMATION

Acute Toxicity	Not Hazardous.
Principle Routes of Exposure	
Potential Health Effects	
Eyes	May cause eye irritation with susceptible persons.
Skin	May cause skin irritation in susceptible persons.
Inhalation	May be harmful by inhalation.
Ingestion	May be harmful if swallowed.
Carcinogenic effects	None.
Mutagenic effects	None.
Reproductive toxicity	None.
Sensitization	None.
Target Organ Effects	No known effects under normal use conditions

12. ECOLOGICAL INFORMATION

EEcotoxicity	No information available
Mobility	No information available.
Biodegradation	Inherently biodegradable
Bioaccumulation	Material does not bioaccumulate.

13. DISPOSAL CONSIDERATIONS

Dispose of contents/containers in accordance with local regulations.

14. TRANSPORT INFORMATION

IATA	
Proper Shipping Name	No dangerous good in sense of these transport regulations
Hazard Class	None
Subsidiary class	None
Packing group	None
UN-No	None
Environmental hazards	None

15. REGULATORY INFORMATION

US Federal Regulations

SARA 313

This product is not regulated by SARA.

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contain HAPs.

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

WHMIS Hazard Class

Non-controlled

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

16. OTHER INFORMATION

The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. GeneDireX, Inc. shall not be held liable for any damage resulting from handling or from contact with the above product.