



PhyNexus, Inc.

**BUFFER D**  
**PROTEIN G PURIFICATION 1 BUFFER MSDS**

**MATERIAL SAFETY DATA SHEET**

PhyNexus, Inc.  
3670 Charter Park Drive, Suite A  
San Jose, CA 95136  
United States

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Technical Phone: 408-267-7214

**SECTION 1. CHEMICAL IDENTIFICATION**

NAME: BUFFER D, PROTEIN G PURIFICATION 1 BUFFER  
SUBSTANCE: PHOSPHATE BUFFERED SALINE SOLUTION, pH 7.4  
CAS#: None

**SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS**

CAS#: 10049-21-5 SODIUM DIHYDROGEN PHOSPHATE, Monohydrate, 50mM, < 1%  
MF: NaH<sub>2</sub>PO<sub>4</sub>  
EC Number: Not Assigned  
SYNONYMS: Phosphoric Acid, Monosodium salt, Monohydrate; Monosodium Phosphate, Monohydrate.

CAS#: 7647-14-5 SODIUM CHLORIDE, 0.7M, < 4%  
MF: NaCl  
EC Number: 231-598-3  
RTECS: VZ4725000  
SYNONYMS: Common Salt; Sodium Monochloride; Salt.

CAS#: 7732-18-5 WATER 95%

**SECTION 3. HAZARDS IDENTIFICATION**

NFPA Ratings (SCALE 0-4): HEALTH=0 FIRE=0 REACTIVITY=0  
NON HAZARDOUS SOLUTION  
CARCINOGEN STATUS:  
-OSHA: No.  
-NTP: No.  
-IARC: No.

**SECTION 4. FIRST-AID MEASURES**

SEEK MEDICAL ASSISTANCE FOR ANY OVEREXPOSURE.  
SKIN: Wash thoroughly with soap and water.  
EYES: Immediately flush thoroughly with water for at least 15 minutes.  
INGESTION: If conscious drink copious amounts of water. Never give anything by mouth to an unconscious person. Obtain medical attention.



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**SECTION 5. FIRE FIGHTING MEASURES**

EXTINGUISHING MEDIA: Use extinguishing agents appropriate for surrounding fire.

SPECIAL FIREFIGHTING PROCEDURES: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None, not a fire hazard.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

Absorb material and collect in an appropriate container for disposal. Wash spill site with soapy water.

**SECTION 7. HANDLING AND STORAGE**

Store and handle in accordance with all current regulations and standards. Keep separated from incompatible substances. Store between 4-20°C, do not freeze.

**SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION**

EXPOSURE LIMITS: No occupational exposure limits established.

CHEMICAL SAFETY GOGGLES.

SAFETY SHOWER AND EYE BATH.

COMPATIBLE CHEMICAL-RESISTANT GLOVES (PVC, RUBBER OR NITRILE).

AVOID CONTACT WITH EYES, SKIN AND CLOTHING.

KEEP TIGHTLY CLOSED.

STORE BETWEEN 4-20°C.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

SPECIFIC GRAVITY: ~1.00mL/g

APPEARANCE: Colorless liquid.

ODOR: Odorless.

BOILING POINT: ~100°C.

pH: 7.4

WATER SOLUBILITY: Water soluble.

**SECTION 10. STABILITY AND REACTIVITY**

REACTIVITY: Stable at normal temperatures and pressure.

INCOMPATIBILITIES: Strong oxidizing agents.

HAZARDOUS POLYMERIZATION: Will not occur.

DECOMPOSITION PRODUCTS: Carbon Dioxide, Carbon Monoxide.



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**SECTION 11. TOXICOLOGICAL INFORMATION**

INHALATION: No Data Available.  
SKIN CONTACT: No Data Available.  
EYE CONTACT: No Data Available.  
INGESTION: No Data Available.

**SECTION 12. ECOLOGICAL INFORMATION**

Data Not Yet Available.

**SECTION 13. DISPOSAL CONSIDERATIONS**

Dispose in accordance with all applicable regulations.

**SECTION 14. TRANSPORT INFORMATION**

No classification assigned (DOT, Canadian, Land, Air & Maritime).

**SECTION 15. REGULATORY INFORMATION**

TSCA INVENTORY STATUS: No.  
TSCA 12 (b) EXPORT NOTIFICATION: Not listed.  
CERCLA SECTION 103 (40CFR302.4): No.  
SARA SECTION 302 (40CFR355.30): No.  
SARA SECTION 304 (40CFR355.40): No.  
SARA SECTION 313 (40CFR372.65): No.  
SARA HAZARD CATEGORIES, SARA SECTIONS 311/312 (40CFR370.21):  
    ACUTE: No.  
    CHRONIC: No.  
    FIRE: No.  
    REACTIVE: No.  
    SUDDEN RELEASE: No.  
OSHA PROCESS SAFETY (29CFR1910.119): No.  
STATE REGULATIONS:  
    CALIFORNIA PROPOSITION 65: No.  
CANADIAN REGULATIONS: Not assigned.  
EUROPEAN REGULATIONS: Not assigned.



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<b>SECTION 16.</b>	<b>ADDITIONAL INFORMATION</b>
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**PhyNexus, Inc.**

3670 Charter Park Drive, Suite A, San Jose, CA 95136

Tel: 408.267.7214 Fax: 408.267.7346

[www.phynexus.com](http://www.phynexus.com)