



PhyNexus, Inc.

BUFFER E
Ni-IMAC CAPTURE BUFFER MSDS

MATERIAL SAFETY DATA SHEET

PhyNexus, Inc.
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United States

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SECTION 1. CHEMICAL IDENTIFICATION

NAME: BUFFER E, Ni-IMAC CAPTURE BUFFER
SUBSTANCE: PHOSPHATE BUFFERED SALINE SOLUTIONS with IMIDAZOLE, pH 7.4
CAS#: None

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

CAS#: 10049-21-5 SODIUM DIHYDROGEN PHOSPHATE, Monohydrate, 50mM and less, < 1%
MF: NaH_2PO_4
EC Number: Not Assigned
SYNONYMS: Phosphoric Acid, Monosodium salt, Monohydrate; Monosodium Phosphate, Monohydrate.

CAS#: 7647-14-5 SODIUM CHLORIDE, 1.5M and less, ~8%
MF: NaCl
EC Number: 231-598-3
RTECS: VZ4725000
SYNONYMS: Common Salt; Sodium Monochloride; Salt.

CAS#: 288-32-4 IMIDAZOLE, 0.14M and less, < 2%
MF: $\text{C}_3\text{H}_4\text{N}_2$
EC Number: 206-019-2
RTECS: NI3325000
SYNONYMS: 1,3-Diaza-2,4-cyclopentadiene, 1,3-Diazole, Formamidine, N,N'-vinylene, Glyoxalin, Glyoxaline, Imidazol, Iminazole, Imutex, Miazole, Pyromonazole

CAS#: 7732-18-5 WATER 90-98%

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.



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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.

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. ACCIDENTIAL 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.



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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.

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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SECTION 16.	ADDITIONAL INFORMATION
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