Material Safety Data Sheet

Identification:
Catalogue No.: B-100-PS/B-200-PS
Product name: Phospho-Sure™ RTD™ Neuronal Cell & Soft tissue extraction buffer
Manufacture: biosensis Pty Ltd
Emergency telephone numbers: +61 431 66 5519

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS:

Tris-HCL powder (0.6%) 6.0g/L
CAS #: 1185-53-1
Sodium Fluoride (0.2%) (2.09g/L)
CAS# 7681-49-4

SECTION 3: HAZARDS IDENTIFICATION:
Potential Acute Health Effects:
Hazardous in case of ingestion. Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of inhalation.
Potential Chronic Health Effects:
Hazardous in case of ingestion. Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of inhalation.
CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available.
TERATOGENIC EFFECTS: Not available.
DEVELOPMENTAL TOXICITY: Not available

SECTION 4: FIRST-AID MEASURES:

Eye Contact: Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used.
Skin Contact: After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cold water may be used. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.
Serious Skin Contact: Not available.
Inhalation: Allow the victim to rest in a well ventilated area. Seek immediate medical attention.
Serious Inhalation: Not available.
**Ingestion:** Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

**SECTION 5: FIRE FIGHTING MEASURES:**

- **Flammability of the Product:** Undetermined
- **Auto-Ignition Temperature:** Not available.
- **Flash Points:** Not available.
- **Flammable Limits:** Not available.
- **Products of Combustion:** Undetermined
- **Explosion Hazards in Presence of Various Substances:** Undetermined
- **Fire Fighting Media and Instructions:** Wear self contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

- **Special Remarks on Fire Hazards:** Not available.
- **Special Remarks on Explosion Hazards:** Not available

**SECTION 6: ACCIDENTAL RELEASE MEASURES:**

**Small Spill:**
Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

**Large Spill:** Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.
SECTION 7: STORAGE AND HANDLING:

Precautions: Avoid contact with eyes, skin or clothing; avoid prolonged exposure without protection.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION:

Engineering Controls: Safety shower and eye bath. Mechanical exhaust required.
Personal Protection: Safety glasses. Lab coat. Be sure to use an approved/certified respirator or equivalent. Gloves.
Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.
Exposure Limits: Not available.
SPECIAL PRECAUTIONS: Not for human or drug use. Not for household use.

SECTION 9: APPEARANCE and ODOR:

Colorless, no odor, dry powder.

SECTION 10: STABILITY AND REACTIVITY:

Stability: Stable under normal handling procedures.

SECTION 11: TOXICOLOGICAL INFORMATION:

Routes of Entry: Ingestion.
Toxicity to Animals:
LD50: Not available. LC50: Not available.
Chronic Effects on Humans: Not available.
Other Toxic Effects on Humans:
Hazardous in case of ingestion. Slightly hazardous in case of skin contact (irritant), of inhalation.
Special Remarks on Toxicity to Animals: Not available.
Special Remarks on Chronic Effects on Humans: Not available.
Special Remarks on other Toxic Effects on Humans: Not available.

SECTION 12: ECOLOGICAL INFORMATION:

Ecotoxicity: Not available.
BOD5 and COD: Not available.
Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

**Toxicity of the Products of Biodegradation:** The products of degradation are more toxic.

**Special Remarks on the Products of Biodegradation:** Not available

### SECTION 13: DISPOSAL CONSIDERATIONS:

Contact a licensed professional waste disposal service to dispose of this material. Observe all federal, state and local environmental regulations.

### SECTION 14: TRANSPORT INFORMATION:

- **DOT Classification:** Not a DOT controlled material (United States).
- **IATA** Non-Hazardous for Air Transport: Non-hazardous for air transport
- **Identification:** Not applicable.
- **Special Provisions for Transport:** This substance is considered to be non-hazardous for transport.

### SECTION 15: REGULATORY INFORMATION

**EUROPEAN INFORMATION:** Caution: substance not yet fully tested.

### SECTION 16: OTHER INFORMATION:

For R&D use only. Not for drug, household or other uses.

Biosensis/Biosensis International/Biosensis Ltd shall not be held liable for any damage resulting from handling or from contact with the above product. The above information is believed to be correct but does not purport to be all inclusive and should be used only as a guide for experienced personnel. Biosensis shall not be held liable for any damage.