



900 Vernon Way, Suite 101
El Cajon, CA 92020
www.geneseesci.com
(800) 789.5550

MATERIAL SAFETY DATA SHEET

PBS, 10X Dry Pack

PRODUCT IDENTIFICATION

PRODUCT: Phosphate buffered saline (Dry Pack makes 1 liter of 10X solution.)
PRODUCT # 20-134

PRODUCT COMPOSITION

CAS #	CHEMICAL NAME	CONCENTRATION of 10X SOLUTION
7647-14-5	Sodium chloride	137 mM
7447-40-7-3	Potassium chloride	2.7 mM
7778-77-0/	Phosphate buffer, pH 7.4	10 mM

Physical Data

Odorless, dry powder.

HAZARD DATA AND FIRST AID MEASURES

IRRITANT

EYE: irritant, in case of contact rinse thoroughly with water and consult physician.

SKIN: irritant, may cause local dermatitis, in case of contact wash thoroughly with soap & water, do not handle material with bare hands. Avoid all contact with clothing, properly dispose of all contaminated clothing.

INGESTION: toxic, irritant, causes nausea, vomiting. Seek medical aid immediately.

INHALATION: irritant, avoid breathing fumes.

FIRE HAZARD DATA

Non-flammable, wear MSHA/NIOSH approved self-contained breathing apparatus.

Flashpoint: N/A

NFPA RATING: Not published.

Hazardous decomposition products: nitrogen oxides, CO, CO₂

ACCIDENTAL RELEASE

Wear chemical safety goggles and gloves, collect material for disposal with absorbant material. May be disposed of by incineration in an approved device.

EXPOSURE CONTROL

Chemical safety goggles as per 29 CFR 1910.133

Chemical resistant gloves

Avoid contact with eyes, skin and clothing

Wash thoroughly after exposure

Use respiration protection devices that meet OSHA CFR 1910.134 and ANSI Z88.2 specifications.

REACTIVITY

Stable at room temperature under normal conditions.

Avoid contact with strong oxidizing agents.

TOXICOLOGY

RTECS: TY2900000/AH4025000

LD50/LC50: UNLISTED.

CARCINOGENICITY: Not listed by ACGIH, IARC, NIOSH. NTP or OSHA. No other data available

ENVIRONMENTAL CONCERNS

Dispose of in a manner consistent with federal, state and local regulations.

RCRA: No information available. Not listed as a RCRA land disposal banned material.

HANDLING & STORAGE

Store at room temperature in a UV light resistant container.

Avoid eye and skin contact. Wear protective eye-wear, gloves and clothing. Follow directions for use.

TRANSPORT INFORMATION

No specific USDOT, IMO, IATA, RID/ADR or TDG information available. Constituent materials not listed at the concentrations occurring in these products. Contact Genesee Scientific Corp. for additional transportation information:

REGULATIONS

Federal: TCSEA: ingredients listed, no ingredients have a SNUR under TCSEA. SARA: None of the ingredients have a RQ, None of the ingredients have a TPQ, None of the ingredients are listed under Section 313. CAA: This material does not contain any hazardous air pollutants or Class 1 or Class 2 ozone depletors. OSHA: None of the ingredients in this product are considered highly hazardous by OSHA at this product concentration.

State RTK listings: none.

European: No hazards symbols. Risk: not available.

Status: Accepted

Reviewed By: Brady Chung

Review Date: 7/23/2009

DISCLAIMER:

Genesee Scientific Corp. provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose. GENESEE SCIENTIFIC CORP. MAKES NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO THE INFORMATION SET FORTH HEREIN OR THE PRODUCT TO WHICH THE INFORMATION REFERS. ACCORDINGLY, GENESEE SCIENTIFIC CORP. WILL NOT BE RESPONSIBLE FOR DAMAGES RESULTING FROM USE OF OR RELIANCE UPON THIS INFORMATION.
