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MATERIAL SAFETY DATA SHEET

CHEMTREC # 1-800-424-9300

NATIONAL RESPONSE CENTER # 1-800-424-8802

Date: 06-01-2011
Revision: E

1. PRODUCT IDENTIFICATION

PRODUCT NAME: Tris Buffered Saline Solution (10X) pH 7.4 [10 X TBS, pH 7.4]
CATALOG NUMBER: 351-086-101, 351-086-131, 351-086-491, 351-086-151, 330-086-161
CHEMICAL NAME: An aqueous solution of Tris base [Tris-(hydroxymethyl)-aminomethane], Sodium chloride, Potassium chloride and HCl to adjust the pH to 7.4.

2. HAZARD IDENTIFICATION RATING SYSTEM

The hazards identified with this product are based on the hazards of the individual component(s) and not on the solution as a whole. This is based on the *SAF-T-DATA™ ratings.

HEALTH: 1 Slight
FLAMMABILITY: 1 Slight
REACTIVITY: 1 Slight
CONTACT: 2 Moderate

*SAF-T-DATA is a trademark of Mallinckrodt Baker, Inc.

3. PRECAUTIONS FOR SAFE HANDLING AND USE

May cause eye and skin irritation. During use avoid contact with eyes, skin and clothing.

Wear safety glasses, lab coat, and suitable gloves. Wash thoroughly after handling. When not in use, keep in tightly closed container.

4. HAZARDOUS INGREDIENTS

This product contains hazardous ingredients: Yes
This product contains carcinogens: No
This product is proprietary: No

Chemical Name	CAS #	w/v	%
Sodium chloride	07647-14-5	80.06 g/L	8.0
Tris base	77-86-1	30.28 g/L	3.0
Potassium chloride	7447-40-7	2.24 g/L	0.2
HCl	7647-01-0	N/A	Varies
Water	7732-18-5	N/A	88.8

5. PHYSICAL DATA

Physical State: Liquid
pH: 7.4 ± 0.1
Appearance/Odor: Clear, colorless liquid/odorless
Flash Point: N/A

6. FIRE AND EXPLOSION

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Use extinguishing media appropriate to surrounding fire conditions.

UNUSUAL FIRE AND EXPLOSION HAZARDS

May emit toxic fumes of carbon monoxide, carbon dioxide, nitrogen oxides, and hydrogen chloride under fire conditions.

7. HEALTH HAZARD INFORMATION

IN THE EVENT OF ANY CHEMICAL EXPOSURE, PLEASE SEEK MEDICAL ATTENTION.

EMERGENCY AND FIRST AID PROCEDURES:

INGESTION: Repeatedly rinse mouth with water. Drink large quantities of water. Get medical attention if irritation persists.

SKIN CONTACT: Immediately wash skin with soap and flush with large amounts of water for at least 15 minutes. Get medical attention if contact area remains irritated.

EYE CONTACT: Immediately flush eyes with large amounts of water for at least 15 minutes. Get medical attention if eye(s) remain irritated.

FOR EMERGENCY EXPOSURE INFORMATION: 1-800-424-8802 (National Response Center)

8. REACTIVITY DATA

Stable

9. SPILL OR LEAK PROCEDURES

Wear protective clothing and safety glasses or goggles while cleaning up the spill. Minimize spread of liquid using appropriate absorbent material. Place in closed containers for disposal.

10. DISPOSAL PROCEDURES

Dispose of in accordance with all applicable Federal, State and Local environmental regulations.

11. SPECIAL PROTECTION INFORMATION

This product is for laboratory use only. This product has not been approved for diagnostic or therapeutic use. Wear safety glasses, lab coat, and proper gloves.

12. SPECIAL PRECAUTIONS

STORAGE INFORMATION: Store in tightly closed container at room temperature.

THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT; HOWEVER, IT MAY NOT BE ALL INCLUSIVE. THIS INFORMATION SHOULD BE USED ONLY AS A GUIDE. QUALITY BIOLOGICAL, INC. SHALL NOT BE HELD LIABLE FOR ANY DAMAGE RESULTING FROM THE HANDLING OR CONTACT WITH THE ABOVE PRODUCT.