



FoodChex Systems Inc. **Material Safety Data Sheet**

Section 1- Product and Company Information

Product Name	D/E Neutralizing Buffer
Catalog Number	FCM-021
Manufacturer	Starplex Scientific Inc.
Address	50A Steinway Blvd Etobicoke, Ontario, Canada M9W 6Y3
Phone	1-800-665-0954
Emergency Phone	416-674-7474

Section 2- Composition/Information on Ingredients

Information pertaining to particular dangers for man and the environment
Classification of the mixture
Classification according to Directive 67/548/EEC or Directive 1999/45/EEC

This product contains no hazardous constituents, or the concentration of all chemical constituents is below the regulatory threshold limits described in the Occupational Safety Health Administration Hazard Communication Standard 29 CFR 1910.1200, Canada's Workplace Hazardous Materials Information System (WHMIS) and the European Directive 67/548/EEC and 1999/45/EC.

Section 3- Hazardous Identification

This product is a mixture of the substances listed below with the addition of non-hazardous materials.

Hazardous Ingredients	CAS No.	% of Medium	Hazard Symbol
N/A	N/A	N/A	N/A

Section 4- First Aid Measures

- General Information:** No special measures required.
- Ingestion:** If swallowed seek medical attention if symptoms occur.
- Inhalation:** If inhaled seek medical attention if symptoms occur..
- Eye Contact:** Rinse opened eye for at least 15 minutes under running water, lifting lower and upper eyelids occasionally. Seek medical attention.
- Skin Contact:** Remove contaminated clothing. Immediately wash with plenty of soap and water for at least 15 minutes. Wash clothing before re-use. Seek medical attention if irritation develops.

Section 5- Fire Fighting Measures

- Suitable Extinguishing Media** Use CO2, ABC multipurpose dry chemical or water spray. Fight larger fires with water spray or alcohol resistant foam.
- Protective Equipment** No special measures.

Section 6- Accidental Release Measures

- Personal Precautions** Personal protective equipment not required.
- Methods for Clean Up** Wipe up with damp sponge or mop.

Section 7- Handling and Storage

- Handling:** No special measures required.
- Storage:** Units should be stored at 4° - 25°C (40° -77°F) for optimal shelf life. Do Not Freeze. Check expiration date.

Information about storage in one common storage facility:
Store away from oxidizing agents.

Other Precautions: No special measures required.



Section 8- Exposure Controls and Personal Protective Equipment

Components with limit values that require monitoring the workplace.

The D/E Neutralizing Broth product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional Information: The Personal Protective Equipment listed below supports general requirements for laboratory personnel. Follow the usual precautionary measures for handling microbiological products. Avoid contact with eyes, skin and clothing. Keep away from food and beverages. Wash hands before and after performing any work in the laboratory.

Personal Protective Equipment: Breathing Equipment - N/A

Hand Protection: Use chemically resistant gloves or equivalent as required for aseptic technique

Eye Protection: May wear safety glasses or goggles

Body Protection: Wear lab coat

Section 9- Physical and Chemical Properties

Physical State	Clear Liquid
Color	Purple
Odor	Characteristic odor (NaCl)
Boiling Point	Not Determined
Melting Point	Not Determined
Flash Point	Not applicable
Autoigniting Point	Not applicable
Explosion Limit	Does not present and explosion hazard
Flammability	Not Flammable
Density	Not determined
Solubility	Soluble in water
pH:	7.6 +/- 0.2 @ 25°C
Solvent Content:	Organic solvents 0.0%
Solids Content:	3.7%



Section 10- Stability and Reactivity

Thermal decomposition/ Conditions to be Avoided: No decomposition if used according to specifications.

Hazardous decomposition or by products: Sulphur oxides (SO_x).

Section 11- Toxicological Information

Irritant: Irritating effect on eyes, skin and mucous membranes

Sensitization: No sensitizing effects known

Additional toxicological information:

This product contains sulphites. People with known or suspected allergies to sulphite should use appropriate safety precautions when handling.

Section 12- Ecological Information

Aquatic Toxicity: No further relevant information available. Generally not hazardous for water

Ecotoxicity: The ecological effects have not been thoroughly investigated, but currently none have been identified.

Section 13- Disposal Considerations

Waste Disposal Disposal of inoculated tubes should comply with provincial, state and local laws.

Autoclave at 121°C or immerse in bacterial solution and dispose in a biohazard bag.



Section 14- Transportation Information

DOT Hazard Class	Not regulated
Shipping Name	N/A
Identification Number	N/A
Packing Group	N/A

Section 15- Regulations

SARA Section 355 (extremely hazardous substances): None of the ingredients are listed

SARA Section 313 (specific toxic chemical listings): None of the ingredients are listed

TSCA (Toxic Substance Control Act): 9000-71-9 Casein
8013-01-2 Yeast Extract
50-99-7 Dextrose
367-51-1 Sodium Thioglycollate
7772-98-7 Sodium Thiosuphate
7631-90-5 Sodium Bisulphite
8002-43-5 Lecithin
115-40-2 Bromcresol purple

Carcinogenic Categories: NTP (National Toxicology Program): None of the ingredients is listed

TLV (Threshold Limit Value established by ACGIH):
7631-90-5 Sodium Bisulphite

Canadian Substance Listings:

Canadian Domestic Substance List (DSL): 9000-71-9 Casein
8013-01-2 Yeast Extract
50-99-7 Dextrose
367-51-1 Sodium Thioglycollate
7772-98-7 Sodium Thiosuphate
7631-90-5 Sodium Bisulphite
8002-43-5 Lecithin
115-40-2 Bromcresol purple

Canadian Ingredient Disclosure List (Limit 0.1%): None of the ingredients are



listed

Canadian Ingredient Disclosure List (Limit 1.0%): 7631-90-5 Sodium Bisulphite

Section 16- Other Information

To the best of our knowledge, the information contained herein is accurate. However, neither Starplex Scientific Inc. nor any of its subsidiaries assumes any liabilities whatsoever for the accuracy or completeness of the information. Final determination of suitability of any material is the sole responsibility of the user.

All materials may present unknown hazards and should be used with caution.

Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Department issuing MSDS: Quality Assurance

Contact: QA Technical Specialist

The information in this safety data sheet has been obtained from current and reliable sources. However, the data is provided without warranty, express or implied, regarding its correctness or accuracy. It is the users' responsibility to determine safe conditions for use of this product and to assume liability for loss, injury, damage, or expense resulting from improper use of this product.

April 22, 2013

