

DATE: 06/07/05 ACCT: 888235001  
 INDEX: A51572432 CAT NO: BP1421500 PO NBR: MARY PINKERTON/VC

## \*\*\*\* MATERIAL SAFETY DATA SHEET \*\*\*\*

Tryptone  
88005

## \*\*\*\* SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION \*\*\*\*

MSDS Name: Tryptone  
 Catalog Numbers:  
 BP1421-100, BP1421-2, BP1421-500, DF0123173  
 Synonyms:  
 None known.  
 Company Identification: Fisher Scientific  
 1 Reagent Lane  
 Fairlawn, NJ 07410  
 For information, call: 201-796-7100  
 Emergency Number: 201-796-7100  
 For CHEMTREC assistance, call: 800-424-9300  
 For International CHEMTREC assistance, call: 703-527-3887

## \*\*\*\* SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS \*\*\*\*

CAS#	Chemical Name	%	EINECS#
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Hazard Symbols: None Listed.  
 Risk Phrases: None Listed.

## \*\*\*\* SECTION 3 - HAZARDS IDENTIFICATION \*\*\*\*

## EMERGENCY OVERVIEW

Appearance: clear liquid.  
 Caution! This is expected to be a low hazard for usual industrial handling. May cause eye and skin irritation. May cause respiratory and digestive tract irritation.  
 Target Organs: None known.

## Potential Health Effects

Eye:  
 May cause eye irritation. Low hazard for normal industrial handling.  
 Skin:  
 May cause skin irritation. Low hazard for usual industrial handling.  
 Ingestion:  
 May cause irritation of the digestive tract. Low hazard for usual industrial handling.  
 Inhalation:  
 May cause respiratory tract irritation. Low hazard for usual industrial handling.  
 Chronic:  
 No information found.

## \*\*\*\* SECTION 4 - FIRST AID MEASURES \*\*\*\*

Eyes:  
 Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. If irritation develops, get medical aid.  
 Skin:  
 Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists. Wash clothing before reuse.  
 Ingestion:  
 Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water. Wash mouth out with water. Get medical aid if irritation or symptoms occur.  
 Inhalation:  
 Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.  
 Notes to Physician:  
 Treat symptomatically.

## \*\*\*\* SECTION 5 - FIRE FIGHTING MEASURES \*\*\*\*

General Information:  
 As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Runoff from fire control or dilution water may cause pollution.  
 Extinguishing Media:  
 Use water spray, dry chemical, carbon dioxide, or appropriate foam.  
 Autoignition Temperature: Not applicable.  
 Flash Point: Not applicable.  
 Explosion Limits, lower: Not available.  
 Explosion Limits, upper: Not available.  
 NFPA Rating: Not published.

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## \*\*\*\* SECTION 6 - ACCIDENTAL RELEASE MEASURES \*\*\*\*

General Information: Use proper personal protective equipment as indicated in Section 8.

## Spills/Leaks:

Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Clean up spills immediately, observing precautions in the Protective Equipment section. Sweep up or absorb material, then place into a suitable clean, dry, closed container for disposal. Provide ventilation.

## \*\*\*\* SECTION 7 - HANDLING and STORAGE \*\*\*\*

## Handling:

Wash thoroughly after handling. Wash hands before eating. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation. Use with adequate ventilation.

## Storage:

Store in a cool place in the original container and protect from sunlight. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. No special precautions indicated.

## \*\*\*\* SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION \*\*\*\*

## Engineering Controls:

There are no special ventilation requirements. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

## Exposure Limits

## OSHA Vacated PELs:

## Personal Protective Equipment

Eyes:  
 Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.  
 Skin:  
 Protective garments not normally required. Wear appropriate protective gloves to prevent skin exposure.  
 Clothing:  
 Protective garments not normally required. Wear appropriate protective clothing to minimize contact with skin. Wear appropriate protective clothing to prevent skin exposure.  
 Respirators:  
 A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use. Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

## \*\*\*\* SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES \*\*\*\*

Physical State:	Liquid
Color:	clear
Odor:	Not available
pH:	Not available
Vapor Pressure:	Not available
Vapor Density:	Not available
Evaporation Rate:	Not available
Viscosity:	Not available
Boiling Point:	Not available
Freezing/Melting Point:	Not available
Decomposition Temperature:	37 deg C
Solubility in water:	Soluble in water
Specific Gravity/Density:	Not available
Molecular Formula:	Not applicable
Molecular Weight:	

## \*\*\*\* SECTION 10 - STABILITY AND REACTIVITY \*\*\*\*

Chemical Stability:  
 Stable. However, may decompose if heated.  
 Conditions to Avoid:  
 High temperatures, incompatible materials, light.  
 Incompatibilities with Other Materials:  
 Oxidizing agents.

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Hazardous Decomposition Products:  
 None, irritating and toxic fumes and gases.  
 Hazardous Polymerization: Has not been reported

\*\*\*\* SECTION 11 - TOXICOLOGICAL INFORMATION \*\*\*\*

RTECS#:  
 No CAS#s in product.  
 LD50/LC50:  
 Carcinogenicity:  
 Epidemiology:  
 No data available.  
 Teratogenicity:  
 No data available.  
 Reproductive Effects:  
 No data available.  
 Neurotoxicity:  
 No data available.  
 Mutagenicity:  
 No data available.  
 Other Studies:  
 No data available.

\*\*\*\* SECTION 12 - ECOLOGICAL INFORMATION \*\*\*\*

\*\*\*\* SECTION 13 - DISPOSAL CONSIDERATIONS \*\*\*\*

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.  
 RCRA P-Series: None listed.  
 RCRA U-Series: None listed.

\*\*\*\* SECTION 14 - TRANSPORT INFORMATION \*\*\*\*

US DOT  
 No information available  
 Canadian TDG  
 No information available.

\*\*\*\* SECTION 15 - REGULATORY INFORMATION \*\*\*\*

US FEDERAL  
 TSCA  
 Health & Safety Reporting List  
 None of the chemicals are on the Health & Safety Reporting List.  
 Chemical Test Rules  
 None of the chemicals in this product are under a Chemical Test Rule.  
 Section 12b  
 None of the chemicals are listed under TSCA Section 12b.  
 TSCA Significant New Use Rule  
 None of the chemicals in this material have a SNUR under TSCA.  
 SARA  
 CERCLA Hazardous Substances and corresponding RQs  
 None of the chemicals in this material have an RQ.  
 SARA Section 302 Extremely Hazardous Substances  
 None of the chemicals in this product have a TPQ.  
 Section 313  
 No chemicals are reportable under Section 313.  
 Clean Air Act:  
 This material does not contain any hazardous air pollutants.  
 This material does not contain any Class 1 Ozone depletors.  
 This material does not contain any Class 2 Ozone depletors.  
 Clean Water Act:  
 None of the chemicals in this product are listed as Hazardous Substances under the CWA.  
 None of the chemicals in this product are listed as Priority Pollutants under the CWA.  
 None of the chemicals in this product are listed as Toxic Pollutants under the CWA.  
 OSHA:  
 None of the chemicals in this product are considered highly hazardous by OSHA.  
 STATE  
 None of the chemicals in this product are listed.  
 European/International Regulations  
 European Labeling in Accordance with EC Directives  
 Hazard Symbols: Not available.  
 Risk Phrases:  
 Safety Phrases:  
 S 24/25 Avoid contact with skin and eyes.  
 WGK (Water Danger/Protection)  
 United Kingdom Occupational Exposure Limits

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United Kingdom Maximum Exposure Limits

Canada

None of the chemicals in this product are listed on the DSL/NDL list.  
 WHMIS: Not available.

Exposure Limits

\*\*\*\* SECTION 16 - ADDITIONAL INFORMATION \*\*\*\*

MSDS Creation Date: 7/20/1999 Revision #2 Date: 7/11/2001

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages.