**** MATERIAL SAFETY DATA SHEET ****

**Tryptone**

**88005**

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

**Hazardous Name:** Tryptone

**CAS#**

**Chemical Name**

**%**

**EINECS#**

**Risk Phrases:** None Listed.

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

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 3 - HAZARDOUS IDENTIFICATION ****

Emergency Overview

Exposure Limits

OSHA Vacated ZELs:

Personal Protective Equipment

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA’s 29 CFR 1910.133 or European Standard EN 166.

Skin: Protective garments not normally required. Wear appropriate protective gloves to prevent skin contact.

Clothing: Protective garments not normally required. Wear appropriate protective clothing to minimize contact with skin. Use adequate ventilation to prevent airborne concentrations.

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 6 - ACCIDENTAL RELEASE MEASURES ****

General Information: Use proper personal protective equipment as indicated.

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 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 skin contact with eyes, mouth, and clothing. Keep containers tightly closed. Avoid ingestion and inhalation. Use safety equipment. Check with local authorities before disposal.

Storage: Store in a cool place in the original container and protect from sunlight. Score in a tightly covered, 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 exhaust facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

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

Physical State: Liquid

Color: Clear

Odor: Not available.

pH: Not applicable.

Vapor Pressure: Not available.

Vapor Density: Not available.

Flash Point: Not available.

Decomposition Temperature: Not available.

Solubility: Not available.

Specific Gravity: Not available.

 Molecular Formula: Not available.

 Molecular Weight: Not available.

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

**SECTION 11 - TOXICOLOGICAL INFORMATION**

RTCS:
- 0-0 No CAS#s in product.
- L50/LC50:
- Carcinogenicity:
- Epidemiology:
- 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 F-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 been 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 TPO.
- 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 I Ozone depleters.
- 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:
- No 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 RC Directives
- Hazard Symbols: Not available.
- Risk Phrases:
- Safety Phrases: 24/25 Avoid contact with skin and eyes.
- WOK (Water Danger/Protection)
- United Kingdom Occupational Exposure Limits

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