

# SHORECHEM, LLC

## MATERIAL SAFETY DATA SHEET

### Peptone Solution, Stabilized

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#### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

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**PRODUCT NAME:** Peptone Solution, Stabilized

**OTHER/GENERIC NAMES:** Peptone and stabilizers in water

**PRODUCT CODES:** 119-2007

**PRODUCT USE:** Industrial

**DISTRIBUTOR:** ShoreChem, LLC  
12 Route 17 North, Suite 309  
Paramus, NJ 07652

**TELEPHONE:** (201) 845-4666  
(Monday-Friday, 8:30 AM – 5:00 PM)

**CHEMTREC PHONE:** 1800-424-9300  
(24 Hours/Day, 7 Days/Week)

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#### SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

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<u>INGREDIENT NAME:</u>	<u>CAS NO.</u>	<u>% WT</u>
Peptones	73049-73-7	Proprietary
Stabilizers	Proprietary	Proprietary
Water	7732-18-5	Proprietary
Isopropyl alcohol	67-63-0	<2

Trace impurities and additional material names not listed above may also appear in Section 15 towards the end of the MSDS. These materials may be listed for local "Right-to-Know" compliance and for other reasons.

**OSHA Hazard Communication Standard:** *This product is considered hazardous under the OSHA Hazard Communication Standard*

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#### SECTION 3: HAZARDS IDENTIFICATION

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**EMERGENCY OVERVIEW:** A clear, brown, slightly viscous solution with a distinctive pungent odor. May cause skin and eye irritation.

#### POTENTIAL HEALTH HAZARDS

**SKIN:** Repeated or prolonged contact may cause irritation.

**EYES:** Repeated or prolonged contact may cause irritation.

**INHALATION:** Not considered hazardous.

**INGESTION:** May be harmful if ingested in large quantities due to the additives. Irritation of the gastrointestinal tract might be expected. Decomposed product, by its nature, may have significant bacterial contamination.

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**DELAYED EFFECTS:** None known.

Ingredients found on one of the three OSHA designated carcinogen lists are listed below.

<u>INGREDIENT NAME</u>	<u>NTP STATUS</u>	<u>IARC STATUS</u>	<u>OSHA LIST</u>
No ingredients listed in this section			

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#### **SECTION 4: FIRST AID MEASURES**

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**SKIN:** Wash with soap and water, then flush with water until all chemical is removed. Remove and wash contaminated clothing before reuse. If symptoms persist, get medical attention.

**EYES:** Promptly flush with water, continuing for 15 minutes while lifting eyelids occasionally to facilitate irrigation. If symptoms persist, get medical attention.

**INHALATION:** None required. Not considered hazardous by this route.

**INGESTION:** If conscious, promptly give 2 to 4 glasses of water, and induce vomiting by touching finger to back of throat. Get medical attention.

**ADVICE TO PHYSICIAN:** Treat symptomatically.

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

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##### **FLAMMABLE PROPERTIES**

<b>FLASH POINT:</b>	Not applicable
<b>FLASH POINT METHOD:</b>	Not applicable
<b>AUTOIGNITION TEMPERATURE:</b>	Not applicable
<b>UPPER FLAME LIMIT (volume % in air)</b>	Not applicable
<b>LOWER FLAME LIMIT (volume % in air)</b>	Not applicable
<b>FLAME PROPAGATION RATE (solids)</b>	Not applicable

##### **EXTINGUISHING MEDIA:**

Material itself is not flammable. Choose an extinguishing agent that is most suitable for the surrounding fire.

##### **UNUSUAL FIRE AND EXPLOSION HAZARDS:**

In a fire, drums may bulge and if product is spilled and exposed to fire, resultant odor is intensified with decomposition.

##### **SPECIAL FIRE FIGHTING PRECAUTIONS/INSTRUCTIONS:**

Firefighters should wear self-contained, NIOSH-approved breathing apparatus and appropriate eye and skin protection.

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#### **SECTION 6: ACCIDENTAL RELEASE MEASURES**

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**IN CASE OF SPILL OR OTHER RELEASE:** (See section 8 for recommended personal protective equipment.)  
Mop up or use commercial absorbent and collect in suitable container for eventual disposal. Flush residue with water. Spills may be slippery and should be flushed away or cleaned up promptly.

Spills and releases may have to be reported to Federal and/or local authorities. See section 15 regarding reporting requirements.

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#### **SECTION 7: HANDLING AND STORAGE**

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**NORMAL HANDLING:** (See section 8 for recommended personal protective equipment.)  
No significant health hazards are anticipated in the normal handling and use of this product. Nevertheless, customary personal hygiene and good housekeeping practices should be observed. Avoid contact with eyes, skin or clothing. Keep containers tightly closed when not in use.

**STORAGE RECOMMENDATIONS:**

Store at moderate temperatures in a dry area. Keep containers tightly closed. Keep from freezing.

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#### **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

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**ENGINEERING CONTROLS:**

Natural ventilation is believed to be generally adequate. However, if mists should be generated, ventilation should be upgraded at least to mechanical (general) ventilation.

**PERSONAL PROTECTIVE EQUIPMENT**

<b>SKIN PROTECTION:</b>	Wear impervious (rubber) gloves.
<b>EYE PROTECTION:</b>	In handling solution, wear chemical safety goggles. Do not wear contact lenses.
<b>RESPIRATORY PROTECTION</b>	Not generally required. However, if mists should be generated, use NIOSH-approved mist respirator.
<b>ADDITIONAL RECOMMENDATIONS</b>	Eyewash and safety shower.

**EXPOSURE GUIDELINES:**

<u>INGREDIENT NAME</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>OTHER LIMIT</u>
Isopropanol	400 ppm TWA 500 ppm STEL	400 ppm TWA	-----

- <sup>1</sup> = Limit established by Industry Standard.  
<sup>2</sup> = Workplace Environmental Exposure Level (AIHA).  
<sup>3</sup> = Biological Exposure Index (ACGIH).

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OTHER EXPOSURE LIMITS FOR POTENTIAL DECOMPOSITION PRODUCTS:

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#### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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<b>APPEARANCE:</b>	Clear, brown slightly viscous solution.
<b>PHYSICAL STATE:</b>	Liquid
<b>MOLECULAR WEIGHT:</b>	Mixture
<b>CHEMICAL FORMULA:</b>	Mixture
<b>ODOR:</b>	Distinctive pungent odor.
<b>SPECIFIC GRAVITY (H<sub>2</sub>O = 1):</b>	1.08-1.09 @ 20C
<b>SOLUBILITY IN WATER (weight %):</b>	Complete – 100%
<b>pH:</b>	5.1-5.4
<b>BOILING POINT:</b>	Not determined
<b>MELTING POINT:</b>	Not determined
<b>VAPOR PRESSURE:</b>	Not applicable
<b>VAPOR DENSITY (air= 1.0):</b>	Not determined
<b>EVAPORATION RATE:</b>	Not applicable <b>COMPARED TO:</b> Not Applicable
<b>% VOLATILES:</b>	Not applicable
<b>FLASH POINT:</b>	Not applicable

(Flash point method and additional flammability data are found in Section 5.)

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#### SECTION 10: STABILITY AND REACTIVITY

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**NORMALLY STABLE/(CONDITIONS TO AVOID):**

Stable under normal conditions.

**INCOMPATIBILITIES:**

None known.

**HAZARDOUS DECOMPOSITION PRODUCTS:**

Data not available. Would expect HCN and nitrogen oxides to form on combustion if allowed to evaporate to a dry product.

**HAZARDOUS POLYMERIZATION:**

Will not occur.

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#### SECTION 11: TOXICOLOGICAL INFORMATION

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**IMMEDIATE (ACUTE) EFFECTS:**

Isopropanol component:  
LC<sub>50</sub> (inhl-rat): 16000 ppm/8 hr  
LD<sub>50</sub> (oral-rat): 5045 mg/kg  
LD<sub>50</sub> (skin-rabbit): 12800 mg/kg  
Rabbit-skin / 500 mg / Mild  
Rabbit-eye / 100 mg / Severe

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**DELAYED (SUBCHRONIC AND CHRONIC EFFECTS)**

Data Not Available

**OTHER DATA:**

None.

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**SECTION 12: ECOLOGICAL INFORMATION**

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Isopropanol component:

Degradability: BOD5 (g/g): 1.29-1.59 Std. Dilution/Sewage Seed.

Aquatic Toxicity: 900-1100 ppm / 24 hr / chub / critical range / fresh water

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**SECTION 13: DISPOSAL CONSIDERATIONS**

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**RCRA**

Is the unused product a RCRA hazardous waste if discarded? No      If yes, the RCRA ID number is: Not applicable

**OTHER DISPOSAL CONSIDERATIONS:**

The information offered in section 13 is for the product as shipped. Use and/or alterations to the product such as mixing with other materials may significantly change the characteristics of the material and alter the RCRA classification and the proper disposal method.

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**SECTION 14: TRANSPORT INFORMATION**

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**US DOT HAZARD CLASS:** Not regulated

**US DOT ID NUMBER:**

**PROPER SHIPPING NAME:**

For additional information on shipping regulations affecting this material, contact the information number found in Section 1.

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**SECTION 15: REGULATORY INFORMATION**

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**TOXIC SUBSTANCES CONTROL ACT (TSCA)**

**TSCA INVENTORY STATUS:** All ingredients listed on the TSCA Inventory

**OTHER TSCA ISSUES:** None

**SARA TITLE III/ CERCLA**

"Reportable/ Quantities" (RQs) and/or "Threshold Planning Quantities" (TPQs) exist for the following ingredients.

**INGREDIENT NAME****SARA/CERCLA RQ (LB)****SARA EHS TPQ(LB)**

No ingredients listed in this section.

Spills or releases resulting in the loss of any ingredient at or above its RQ requires immediate notification to the National Response Center (800) 424-8803 and to your Local Emergency Planning Committee.

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**SECTION 311 HAZARD CLASS:** None

**SARA 313 TOXIC CHEMICALS:**

The following ingredients are SARA 313 "Toxic Chemicals" and may be subject to annual reporting requirements. CAS numbers and weight percents are found in Section 2.

**INGREDIENT NAME**

**COMMENT**

No ingredients listed in this section.

**STATE RIGHT-TO-KNOW**

In addition to the ingredients found in Section 2, the following are listed for state right-to-know purposes.

**INGREDIENT NAME**

**WEIGHT%**

**COMMENT**

No ingredients listed in this section.

**ADDITIONAL REGULATORY INFORMATION:**

None listed.

**WHMIS CLASSIFICATION (CANADA):**

Not determined

**FOREIGN CHEMICAL CONTROL INVENTORY STATUS**

Not determined

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**SECTION 16: OTHER INFORMATION**

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**CURRENT ISSUE DATE:** November 3, 2005

**PREVIOUS ISSUE DATE:** JANUARY 1, 2005

**CHANGES TO MSDS FROM PREVIOUS ISSUE DATE ARE DUE TO THE FOLLOWING:**

New Format

**OTHER INFORMATION:** Stabilized Peptone Solution is a proprietary mixture of hydrolyzed animal protein in distilled water with a very minor amount of additives to prevent decomposition.

Not for Food or Drug Use.

All information, statements, data, advice and/or recommendations, including, without limitation, those relating to storage, loading/unloading, piping and transportation (collectively referred to herein as "information") are believed to be accurate and reliable. However, no representation or warranty, express or implied, is made as to its completeness, accuracy, fitness or a particular purpose or any other matter, including, including, without limitation, that the practice of application of any such information is free of patent infringement or other intellectual property misappropriation. ShoreChem, LLC is not engaged in the business of providing technical, operational, engineering or safety information for a fee, and therefore, any such information provided herein has been furnished as an accommodation and without charge. All information provided herein is intended for use by persons having requisite knowledge, skill and experience in the chemical industry. ShoreChem, LLC shall not be responsible or liable for the use, application or implementation of the information, provided herein, and all such information is to be used at the risk, and in the sole judgment and discretion, of such persons, their employees, advisors, and agents.

Date Created	Created By	Replaces	Area	Product/ Process	Special
11/3/05	JD	01/01/05	MSDS	Peptone	SRE