

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Letheen broth

Supplier: Labplas Inc.  
1950 Bombardier  
Ste-Julie, QC  
J3E 2P9

Telephone: 450-649-7343

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Emergency number: North America: 911  
European Union, Russia, Ukraine and Switzerland: 112

Preparation information: Labplas Inc.  
labplas@labplas.com  
www.labplas.com  
450-649-7343

## 2. HAZARDS IDENTIFICATION

Chemical characterization: Mixture

HMIS Classification		NFPA Rating	
Health hazard	1	Health hazards	1
Flammability	0	Fire	0
Reactivity	0	Reactivity hazards	0
Hazardous			
Labeling according to EU			
This product has been classified according to the hazard criteria of the Controlled Products Regulations (CPR), and the MSDS contains all of the information required by the CPR.			
Code letter and hazard designation of product	Xi Irritant		
Risk phrases	36/37/38 Irritating to eyes, respiratory system and skin.		
Safety phrases	7 Keep container tightly closed. 22 Do not breathe dust. 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. 36 Wear suitable protective clothing		

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Composition (g/L)	
Peptic digest of animal tissue	20
Casein enzymatic hydrolysate	5
Beef extract	5
Yeast extract	2
Sodium chloride	5
Lecithin	0.7
Sodium bisulfite	0.1
Polysorbate 80	5 ml/L

## 4. FIRST AID MEASURES

The following first aid recommendations are based on an assumption that appropriate personal and industrial hygiene practices are followed.

General information	In case of irregular breathing or respiratory arrest provide artificial respiration.
Inhalation	Supply fresh air; consult doctor in case of complaints.
Skin	Immediately wash with water and soap and rinse thoroughly.
Eyes	Rinse opened eye for 15 minutes under running water. Then consult a doctor.
Ingestion	If symptoms persist consult doctor.

## 5. FIREFIGHTING MEASURES

Extinguishing media	CO2, ABC multipurpose dry chemical or water spray. Fight larger fires with water spray or alcohol resistant foam.
Protection of firefighters	No special measures required.

## 6. ACCIDENTAL RELEASE MEASURES

Personal protection, protective equipment and emergency procedures	Not required
Environmental precautions	Wipe up with damp sponge or mop
Methods and material for containment and cleaning up	No special measures required
Reference to other sections	See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

**7. HANDLING AND SAFE STORAGE****Precautions for safe handling**

Prevent formation of dust.

Information about protection against explosions and fires

No special measures required.

Conditions for safe storage

Requirements to be met by storerooms and receptacles: 2 - 8 °C. Store away from oxidizing agents. Store in cool, dry conditions in well-sealed containers.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water. Do not ingest. Wash hands after handling and before eating.

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

<b>Respiratory protection</b>	In case of brief exposure, use a chemical fume hood or a NIOSH/MSHA-approved respirator
<b>Eye protection</b>	Safety glasses
<b>Skin and body protection</b>	Protective work clothing (lab coat)
<b>Hand protection</b>	Chemical resistant gloves (e.g. nitrile, or equivalent)
<b>Hygiene measures</b>	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Safety data			
<b>pH</b>	7.0±0.2	<b>Danger of explosion</b>	Product does not present an explosion hazard
<b>Melting/freezing point</b>	NA	<b>Relative density</b>	NA
<b>Boiling point</b>	NA	<b>Odour</b>	Characteristic
<b>Ignition temperature</b>	NA	<b>Odour threshold</b>	NA
<b>Autoignition</b>	Product is not self-igniting	<b>Evaporation rate</b>	NA
<b>Lower explosion limit</b>	NA	<b>Flash point</b>	NA

<b>Upper explosion limit</b>	NA	<b>Density</b>	NA
<b>Vapour pressure</b>	NA	<b>Water solubility</b>	soluble
<b>Form</b>	Liquid	<b>Appearance</b>	Brownish - beige

**10. STABILITY AND REACTIVITY**

<b>Thermal decomposition</b>	No decomposition if used according to specifications.
<b>Materials and conditions to avoid</b>	Incompatible material: strong oxidizers.
<b>Hazardous decomposition products (during combustion)</b>	Chlorine (Cl <sub>2</sub> )

**11. TOXICOLOGICAL INFORMATION**

<b>Acute toxicity</b>	None
<b>Primary effect</b>	Skin. Irritant to skin and mucous membranes Eye. Irritating effect Sensitization. No sensitizing effects known
<b>Additional toxicological information</b>	The product shows the following dangers according to internationally approved calculation methods for preparations: Irritant

**12. ECOLOGICAL INFORMATION**

<b>Toxicity</b>	The ecological effects have not been thoroughly investigated, but currently none have been identified.
<b>Persistence and degradability</b>	Not known to be hazardous to water.
<b>Bioaccumulation potential</b>	Not known to be hazardous to water.

**13. DISPOSAL CONSIDERATIONS**

Waste Disposal Method  
Water, if necessary with cleansing agents. Disposal must be made according to state and federal regulations.

**14. TRANSPORT INFORMATION**



**MATERIAL SAFETY DATA SHEET**

**REVISION DATE: 24/05/2013**

Not regulated per U.S. DOT, IATA or IMO.

These transportation classifications are provided as a customer service. As the shipper, you remain responsible for complying with all applicable laws and regulations, including proper transportation classification and packaging. Labplas does not guarantee the accuracy of this classification information. This information applies only to transportation classification and not the packaging, labeling, or marking requirements.

**15. REGULATORY INFORMATION**

<b>SARA section 355(extremely hazardous substances)</b>	None of the ingredient is listed
<b>SARA Section 313 (specific toxic chemical listings)</b>	None of the ingredients is listed
<b>TSCA (Toxic Substances Control Act)</b>	9005-65-6 - Tween 80 7647-14-5 - sodium chloride
<b>(carcinogen categories)</b>	
<b>NTP (National Toxicology Program)</b>	None of the ingredients is listed
<b>TLV (Threshold Limit Value established by ACGIH)</b>	None of the ingredients is listed
<b>Canadian Domestic Substance List (DSL)</b>	9005-65-6 - Tween 80 7647-14-5 - sodium chloride
<b>Canadian Ingredient Disclosure List (limit 0.1%)</b>	None of the ingredients is listed
<b>Canadian Ingredient Disclosure List (limit 1%)</b>	None of the ingredients is listed

**16. OTHER INFORMATION**

**Disclaimer**

The above information is believed to be correct but does not claim to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Labplas Inc. shall not be held liable for any damage resulting from handling or from contact with the above product.