



## Safety Data Sheet **LETHEEN BROTH**

In accordance with applicable US legislation (HCS 2012)  
and Canadian legislation (WHMIS 2015)

VERSION 2  
Version date:  
04/09/2019

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

General information	Not available
Following inhalation	No special measures are necessary. Provide fresh air.
Following skin contact	After contact with skin, wash immediately with plenty of water and soap. In case of skin irritation, consult a physician.
Following eye contact	Rinse immediately carefully and thoroughly with eye-bath or water. In case of eye irritation consult an ophthalmologist.
Following ingestion	Rinse mouth thoroughly with water. Do NOT induce vomiting.
Self-protection of the first aider	No special measures are necessary.

#### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms	Not available
Effects	Not available

#### 4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor	Treat symptomatically.
Special treatment	Not available

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media:

- Foam
- Dry extinguishing powder
- Carbon dioxide (CO<sub>2</sub>)
- Sand

Unsuitable extinguishing media: none

#### 5.2. Special hazards arising from the substance or mixture

Not available

#### 5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

#### Additional information

Do not inhale explosion and combustion gases.

Co-ordinate fire-fighting measures to the fire surroundings.

Use water spray jet to protect personnel and to cool endangered containers.

Move undamaged containers from immediate hazard area if it can be done safely.

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

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**SECTION 6: Accidental release measures**

**6.1. Personal precautions, protective equipment and emergency procedures**

Provide adequate ventilation.

**6.2. Environmental precautions**

Ensure waste is collected and contained. No special environmental measures are necessary.

**6.3. Methods and material for containment and cleaning up**

Treat the recovered material as prescribed in the section on waste disposal.  
Collect in closed and suitable containers for disposal.

**6.4. Reference to other sections**

Safe handling: see section 7  
Personal protection equipment: see section 8  
Disposal: see section 13

**Additional information**

Not available

**SECTION 7: Handling and Storage**

**7.1. Precautions for safe handling**

Protective measures: No special measures are necessary.  
Advices on general occupational hygiene: Wash hands before breaks and after work.  
Remove contaminated, saturated clothing.

**7.2. Conditions for safe storage, including any incompatibilities**

Keep in a cool, well-ventilated place.

**7.3. Specific end uses**

Not available

**SECTION 8: Exposure controls / personal protection**

**8.1. Control parameters**

US : NIOSH RELs

Substance	Valeur	Unité	Type
Sodium hydrogen sulphite N°CAS : 7631-90-5	5	mg/m <sup>3</sup>	Exposure limit (8 hours)

Canada - Ontario

Substance	Valeur	Unité	Type
Sodium hydrogen sulphite N°CAS : 7631-90-5	5	mg/m <sup>3</sup>	Exposure limit (8 hours)

Canada - Quebec

Substance	Valeur	Unité	Type
Sodium hydrogen sulphite N°CAS : 7631-90-5	5	mg/m <sup>3</sup>	Exposure limit (8 hours)

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**SECTION 8: Exposure controls / personal protection**

**8.2. Exposure controls**

**8.2.1. Appropriate engineering controls**

See section 7. No additional measures necessary.

**Exposure controls**

**8.2.2. Personal protection equipment**



**Eye/face protection**

Eye glasses

**Hand protection**

No special measures are necessary.

**Body protection**

No special measures are necessary.

**Respiratory protection**

No special measures are necessary.

**8.2.3. Environmental exposure controls**

Not available

**8.2.4. Consumer exposure controls**

Not available

**Additional information**

Not available

**SECTION 9: Physical and chemical Properties**

**9.1. Information on basic physical and chemical properties**

Physical state	Liquid
Color	Brown
Odour	Characteristic
Odor threshold	No data available
pH	7.6±0.2
Melting / Freezing point	32°F
Boiling point	212°F
Flash point	No data available
Evaporation rate	No data available
Flammability	Non flammable
Lower limit of flammability or explosive	No data available
Upper limit of flammability or explosive	No data available
Vapour pressure	2.3kPa
Vapour density	No data available
Relative density	1 g/cm <sup>3</sup>
Water solubility	No data available
Solubility in other Solvents (Alcohol)	No data available
Log Kow	No data available
Auto-inflammability temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Explosive properties	Product does not present an explosion hazard
Oxidizing properties	No data available
Refractive index	No data available

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## SECTION 10: Stability and Reactivity

### 10.1. Reactivity

No data available

### 10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

### 10.3. Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

### 10.4. Conditions to avoid

No data available

### 10.5. Incompatible materials

strong oxidizers.

### 10.6. Hazardous decomposition products

Chlorine (Cl)

#### Additional information

Not available

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### 11.1.1. Toxicokinetics, metabolism and distribution

Not available

#### 11.1.2. Information on toxicological effects

Acute toxicity: Based on available data, the classification criteria are not met.

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/irritation: Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation: Based on available data, the classification criteria are not met.

Repeated dose toxicity (subacute, subchronic, chronic): Based on available data, the classification criteria are not met.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction): Based on available data, the classification criteria are not met.

#### 11.1.3. Symptoms related to the physical, chemical and toxicological characteristics

Not available

#### 11.1.4. Other adverse effects

Not available

#### Additional information

Not available

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### SECTION 12: Ecological information

#### 12.1. Toxicity

Based on available data, the classification criteria are not met.

#### 12.2. Persistence and degradability

The product has not been tested.

#### 12.3. Bioaccumulative potential

The product has not been tested.

#### 12.4. Mobility in soil

The product has not been tested.

#### 12.5. Results of PBT and vPvB assessment

No data available

#### 12.6. Other adverse effects

No data available

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methodsWaste treatment options:

Appropriate disposal / Product:  
Dispose of waste according to applicable legislation.

Appropriate disposal / Package: Non-contaminated packages must be recycled or disposed of.  
Contaminated packages must be completely emptied and can be re-used following proper cleaning.  
Packing which cannot be properly cleaned must be disposed of.

#### Additional information

Not available

### SECTION 14: Transport information

#### 14.1. UN number

The product is not hazardous according to the applicable transport regulations  
(ADR / RID / ADN / IMDG / ICAO / ITA).

#### 14.2. UN proper shipping name

Not regulated

#### 14.3. Transport hazard class(es)

Not regulated

#### 14.4. Packing group

Not regulated

#### 14.5. Environmental hazards

Not regulated

#### 14.6. Special precautions for user

Not regulated

#### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not regulated

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### **SECTION 15: Ecological information**

#### **15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Not available

#### **15.2. Chemical Safety Assessment**

For this product a chemical safety assessment is not required.

#### **Additional information**

Not available

### **SECTION 16: Other information**

#### **Indication of changes**

Not applicable as this is the first edition of the safety data sheet.

#### **Abbreviations and acronyms**

ADN/ADNR: Regulations concerning the transport of dangerous substances in barges on inland waterways.

ADR/RID: European Agreement concerns the International Carriage of Dangerous Goods by Road/ Regulations concerning the international carriage of dangerous goods by rail.

CAS No.: Chemical Abstract Service Number

CLP: Classification, Labelling and Packaging

IATA: International Air Transport Association

IMDG: International Maritime Dangerous Goods code

DPD: Dangerous Preparations Directive

N°UN: United Nations Number

N°EC: European Commission Number

vPvB: Very Persistent, very Bioaccumulativ

#### **Key literature references and sources for data**

No data available

#### **Classification for mixtures and used evaluation method**

The classification of the mixture was set based on the GHS 6th edition.

#### **Training advice**

Refer to sections 4, 5, 6, 7 and 8 of this safety data sheet.

The information given in this Safety Data Sheet is based on our present knowledge and on european and national regulations. This Safety Data Sheet describes safety requirements relative to identified uses, it doesn't guarantee all the product properties particularly in the case of non identified uses. The product mustn't be used for any uses other than those identified under heading 1. Since the user's working conditions are not known by us, it is the responsibility of the user to take all necessary measures to comply with legal requirements for specific uses and avoid negative health effects.