

## Material Safety Data Sheet

# NUTRAMIX LN

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product name NUTRAMIX LN  
Product code BWS WL  
Supplier Brewers Supply Group Inc  
312 Connell Hwy  
Newport RI 02840  
Tel 1-800 816 8542  
Fax 401 845

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

Description: Yeast food preparation  
Chemical nature / Synonyms Inorganic/Organic nutrients  
IUB / EINECS / CAS nos. N/A  
Components contributing to the hazard:

Chemical Name	Cas No	EINECS No	ACGIH TLV	OSHA PEL
Manganese sulfate	7785-87-7	232-089-9	None listed	None listed
Zinc sulfate	7733-02-0	231-793-3	None listed	None listed

Classification: Xn + N ; R48/20/22 - R51/53, S22-S24-S36/37  
Concentration range: Zinc sulphate: < 10.0 %, Manganese sulphate: <1.0%

### 3. HAZARDS IDENTIFICATION

Harmful : danger of serious damage to health by prolonged exposure through inhalation and if swallowed. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

### 4. FIRST AID MEASURES

Inhalation: Remove from exposure. If irritation develops, consult a doctor.  
Skin contact: Wash skin with plenty of cold water. Obtain medical advice if irritation occurs.  
Eye contact: Irrigate eyes with cold water for at least 20 mins. Obtain medical advice if irritation occurs  
Ingestion: Rinse mouth thoroughly with water and drink water afterwards. Consult a doctor.

### 5. FIRE FIGHTING MEASURES

Suitable fire fighting extinguishing media: water, foam  
Prevent fire fighting water from entering watercourses or groundwater.  
During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion .  
When heated to decomposition, this product will emit very toxic fumes including phosphorous oxides, nitrous oxides and ammonia. Fire fighters must wear appropriate respiratory equipment.

### 6. ACCIDENTAL RELEASE MEASURES

Personal protective equipment as outlined in section 8 must be used when dealing with accidental release of product. Large spillages should be collected in a suitable container and disposed of according to local regulations. Do not empty into drains

### 7. HANDLING AND STORAGE.

Store product in dry and cool conditions. Transport product in tightly closed packages, protected against humidity.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protection is necessary in circumstances where there is accidental or uncontained release of product.

Respiratory protection : Dust respirator (Always use an European Standard EN149 or NIOSH approve respirator)  
Hand Protection : Impermeable gloves  
Eye Protection : Protective glasses

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

Colour/Physical state : Cream to yellow powder pH: Not applicable  
Odour : Slight odour Density : Not applicable  
Flashpoint : Not applicable

#### 10. STABILITY AND REACTIVITY

This product is stable under normal conditions of use. Powders can form explosive clouds at concentrations above 50g/m.<sup>3</sup>  
These dust clouds have a minimum cloud ignition temperature of 400°C.

**Incompatibilities:** Strong oxidizing agents

**Hazardous Decomposition /By-products:** sulphur oxides, carbon dioxide, carbon monoxide and nitrous oxides

**Conditions to avoid:** Avoid high temperatures and dusting

#### 11. TOXICOLOGICAL INFORMATION

Repeated inhalation of dust may cause sensitization and will cause allergic type reactions in sensitized individuals.

Inhalation: Manganese sulfate is a chronic inhalation hazard  
Skin contact: Zinc sulfate in high concentrations is an irritant to skin and mucus membrane.  
Eyes: Zinc sulfate in high concentrations is an irritant to eyes.  
**Carcinogenicity:** Not listed by IARC, NTP, or OSHA.

#### 12. ECOLOGICAL INFORMATION

This product contains phosphates which can enhance eutrophication of waters. Toxic to aquatic organisms and may cause long-term adverse effects in the aquatic environment.

#### 13. DISPOSAL CONSIDERATIONS

Product and contaminated packaging must be disposed of by deep burial or incineration, in accordance with local authority regulations.

#### 14. TRANSPORT INFORMATION

This product is not a dangerous good according to international regulations for transport.

#### 15. REGULATORY INFORMATION

##### US Federal

##### TSCA

Manganese sulfate is listed on the TSCA inventory

Zinc sulfate is listed on the TSCA inventory

##### SARA Codes

Zinc sulfate: acute. Manganese sulfate: chronic.

##### Section 313

Zinc sulfate is not at a high enough concentration to be reportable under Section 313.

##### European/International Regulations

European labelling in accordance with EC directives.

Labelling

Xn : Harmful

N : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment  
R48/20/22 : Danger of serious damage to health by prolonged exposure through inhalation and if swallowed  
R52/53 : Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment  
S22 : Do not breathe dust  
S24 : Avoid contact with skin  
S36/37 : Wear suitable protective clothing and gloves

#### **16. OTHER INFORMATION**

The information contained in this safety data sheet, as of the issue date, is believed to be true and correct. However, the accuracy or completeness of this information and any recommendation or suggestions are made without warranty or guarantee. Since the conditions of use are beyond the control of our company, it is the responsibility of the user to determine the conditions of safe use of this product. The information in this sheet does not represent analytical specifications, for which please refer to our technical data sheet.

Date of preparation 16/08/02

Issue no. 1