# SAFETY DATA SHEET

## SECTION 1)IDENTIFICATION

**Product ID:** 4797

**Product Name:** Lactobacillus leichmannii (Henneberg) Bergey et al.

**Revision Date:** Aug 31, 2021 **Date Printed:** Aug 31, 2021

**Version:** 1.0 **Supersedes Date:** N.A.

**Manufacturer's Name:** American Type Culture Collection

**Address:** 10801 University Blvd., Manassas, VA, US, 20110-2209

**Emergency Phone:** 703-365-2710 or 800-424-9300 (Chemtrec - transport only)

**Information Phone Number:** 800-638-6597 or 703-365-2700

**Fax:** 703-365-2701

**Product/Recommended Uses:** For lab use only

## SECTION 2) HAZARDS IDENTIFICATION

### Classification of the substance or mixture

Not a hazardous substance or mixture according to United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200).

### Hazard not otherwise classified (HNOC)

Biosafety Level 1 - Agents not known to consistently cause disease in healthy adults and present minimal potential hazard to laboratory personnel and the environment.

## SECTION 3) COMPOSITION / INFORMATION ON INGREDIENTS

None of the chemicals in this product are hazardous according to the GHS.

### Additional Notes

This substance or mixture contains no ingredients at concentrations to be considered hazardous as defined by OSHA HCS 2012, however this product should be handled according to good lab practices, with proper personal protective equipment, proper engineering controls and within the parameters of the purchaser's chemical hygiene plan.

## SECTION 4) FIRST-AID MEASURES

### Inhalation

Remove source of exposure or move person to fresh air and keep comfortable for breathing. Get medical advice/attention if you feel unwell or are concerned.

### 4.1 Description of measures

### Eye Contact

Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing for a duration of 15- 20 minutes. Take care not to rinse contaminated water into the unaffected eye or onto the face.

### Skin Contact

Take off all contaminated clothing immediately, shoes and leather goods (e.g. watchbands, belts). If skin irritation occurs or rash occurs: Get medical advice/attention. Wash with soap and plenty of water. Wash contaminated clothing before re-use or discard.

### Ingestion

Rinse mouth with water. Do not give anything by mouth to an unconscious person. Call a POISON CENTER/doctor if you feel unwell.

### Most Important Symptoms/Effects, Acute and Delayed

No known significant effects or critical hazards.

### Indication of Immediate Medical Attention and Special Treatment Needed

No data available.

## SECTION 5) FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media

Dry chemical, foam, carbon dioxide, water-spray or alcohol-resistant foam. Use caution when applying carbon dioxide in confined spaces.

### Specific Hazards arising from substance or mixture

No data available.

### Fire-fighting Procedures

Isolate immediate hazard area and keep unauthorized personnel out. Move undamaged containers from immediate hazard area if it can be done safely. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

### Special Protective Actions

Wear protective pressure self-contained breathing apparatus (SCBA) and full turnout gear.

## SECTION 6) ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

Avoid breathing vapors, mist or gas. Avoid dust/aerosol formation. Isolate hazard area and keep unauthorized personnel away. If specialized clothing is required, refer to section 8 of this SDS.

### Environmental Precautions

Stop spill/release if it can be done safely. Do not allow product to reach ground water, water course or sewage system.

### Methods and Materials for Containment and Cleanup

BSL-1 labs require immediate decontamination after spills. Allow aerosols to settle; wearing protective clothing, gently cover spill with paper towel and apply 10% sodium hypochlorite, starting at perimeter and working towards the center; allow sufficient contact time before clean up (30 min). Clean up spills immediately. The use of additional PPE may be necessary for cleaning solutions.

## SECTION 7) HANDLING AND STORAGE

### Precautions for safe handling

Use aseptic procedures. Hand washing required after working with potentially hazardous materials and before leaving the laboratory. Do not get in eyes, on skin or on clothing. Decontamination of work surfaces daily, after finishing work and following spills. Standard microbiological practices should be followed. Avoid eating, drinking and smoking in work areas. Provide appropriate exhaust ventilation.

### Conditions for safe storage, including any incompatibilities

Store in cool, dry, well-ventilated areas away from heat, direct sunlight, strong oxidizers and any incompatible materials. Keep containers securely sealed when not in use.

### Specific end use(s)

Apart from the uses mentioned in sec.1, no other uses are stipulated.

## SECTION 8) EXPOSURE CONTROLS / PERSONAL PROTECTION

### Appropriate Engineering Controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

### Eye Protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

### Skin Protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface)

to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

### Body Protection

Impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

### Respiration Protection

Respiratory protection not required.

### Control Parameters

| Chemical Name | MY_PEL_TWA_ppm - Malaysia Permissible Exposure Limit Time Weighted Average ppm | MY_PEL_TWA_mg_m3 - Malaysia Permissible Exposure Limit Time Weighted Average mg/m3 | MY_PEL_Ceiling_limit_ppm - Malaysia Permissible Exposure Limit Ceiling limit ppm | MY_PEL_Ceiling_limit_mg_m3 - Malaysia Permissible Exposure Limit Ceiling limit mg/m3 | OSHA TWA (ppm) | OSHA TWA (mg/m3) | OSHA STEL (ppm) | OSHA STEL (mg/m3) |
|---|---|---|---|---|---|---|---|---|
| SUCROSE | | 10 | | | | [15]; [5 (a)]; | | |

| Chemical Name | OSHA Tables (Z1, Z2, Z3) | OSHA Carcinogen | OSHACarcinogen_Threshold - Thresholds for OSHA Carcinogens | OSHA Skin designation | NIOSH TWA (ppm) | NIOSH TWA (mg/m3) | NIOSH STEL (ppm) | NIOSH STEL (mg/m3) |
|---|---|---|---|---|---|---|---|---|
| SUCROSE | 1 | | | | | 10,5a | | |

| Chemical Name | NIOSH Carcinogen | ACGIH TWA (ppm) | ACGIH TWA (mg/m3) | ACGIH STEL (ppm) | ACGIH STEL (mg/m3) | ACGIH Carcinogen | ACGIH TLV Basis | ACGIH Notations |
|---|---|---|---|---|---|---|---|---|
| SUCROSE | | | 10 | | | A4 | Dental erosion | A4 |

(C) - Ceiling limit, (I) - Inhalable fraction, (R) - Respirable fraction, A4 - Not Classifiable as a Human Carcinogen, CNS - Central nervous system, impair - Impairment

The information in this Section does not list non-hazardous components that might have relevant ACGIH TWA (mg/m3), ACGIH TLV Basis, OSHA Tables (Z1, Z2, Z3) , MY_PEL_TWA_mg_m3 - Malaysia Permissible Exposure Limit Time Weighted Average mg/m3, OSHA TWA (mg/m3) regulatory values, if they are present at less than 1%. Please contact manufacturer for more information.

## SECTION 9) PHYSICAL AND CHEMICAL PROPERTIES

### Physical and Chemical Properties

| | |
|---|---|
| % Solids By Weight | 9.49200% |
| Density | 6.28794 lb/gal |
| Specific Gravity | 0.75346 |

| | |
|---|---|
| Appearance | N/A |
| Auto Ignition Temp | N/A |
| Coefficient Water/Oil | N/A |
| Decomposition Pt | N/A |
| Evaporation Rate | N/A |
| Flammability | N/A |
| Flash Point | N/A |
| Flash Point Symbol | N/A |
| Freezing Point | N/A |
| High Boiling Point | N/A |
| Low Boiling Point | N/A |

| | |
|---|---|
| Lower Explosion Level | N/A |
| Melting Point | N/A |
| Odor Description | N/A |
| Odor Threshold | N/A |
| pH | N/A |
| Upper Explosion Level | N/A |
| Vapor Density | N/A |
| Vapor Pressure | N/A |
| Viscosity | N/A |
| Water Solubility | N/A |

### Other Information

No data available.

## SECTION 10) STABILITY AND REACTIVITY

### Stability

Stable under recommended handling and storage conditions.

### Reactivity

No data available.

### Conditions to Avoid

Direct sunlight, extremely high or low temperatures, ignition sources and incompatible materials.

### Hazardous Reactions/Polymerization

Hazardous polymerization will not occur.

### Incompatible Materials

Strong acids, strong bases, strong oxidizers.

### Hazardous Decomposition Products

Thermal decomposition generates: Carbon oxides (CO, CO2), Sodium oxides, Sulfur.

## SECTION 11) TOXICOLOGICAL INFORMATION

### 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/Skin Sensitization

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

### Germ Cell Mutagenicity

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

### Carcinogenicity

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

### Reproductive Toxicity

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

### Specific Target Organ Toxicity - Single Exposure

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

### Specific Target Organ Toxicity - Repeated Exposure

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

### Aspiration Hazard

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

### Likely Routes of Exposure

Inhalation, Ingestion, Skin contact, Eye contact

0000057-50-1 SUCROSE

LD50 (oral, rat): 29.7 g/kg (6)

## SECTION 12) ECOLOGICAL INFORMATION

### Toxicity

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

### Persistence and Degradability

No data available.

### Bioaccumulative Potential

No data available.

### Mobility in Soil

No data available.

### Other Adverse Effects

No data available.

## SECTION 13) DISPOSAL CONSIDERATIONS

### Waste Disposal

It is the responsibility of the user of the product to determine at the time of disposal whether the product meets local criteria for hazardous waste. Waste management should be in full compliance with federal, state and local laws.

## SECTION 14) TRANSPORT INFORMATION

| | U.S. DOT Information | IMDG Information | IATA Information |
|---|---|---|---|
| **UN number:** | Not Regulated | Not Regulated | Not Regulated |
| **Proper shipping name:** | N/A | N/A | N/A |
| **Hazard class:** | Not Applicable | Not Applicable | Not Applicable |
| **Hazardous substance (RQ):** | NA | NA | NA |
| **Marine Pollutant:** | No | No | No |
| **Note / Special Provision:** | No | No | No |
| **Packing group:** | NA | NA | NA |
| **Toxic-Inhalation Hazard:** | NA | NA | NA |

## SECTION 15) REGULATORY INFORMATION

### Regulatory Information

The following regulations have been evaluated for this product: TSCA, SARA 313 & SARA 312.

| CAS | Chemical Name | Regulation List |
|---|---|---|
| 0000057-50-1 | SUCROSE | SARA312,TSCA |
| 0009048-46-8 | ALBUMINS, BLOOD SERUM | SARA312,TSCA |
| 0003458-72-8 | 1,2,3-PROPANETRICARBOXYLIC ACID, 2-HYDROXY-, AMMONIUM SALT (1:3) | SARA313, SARA312,TSCA |
| 0010034-96-5 | MANGANESE SULFATE MONOHYDRATE | SARA313, CERCLA,SARA312 |

The information in this Section does not list non-hazardous components that might have relevant CERCLA, SARA312, TSCA regulatory values, if they are present at less than 1%. Please contact manufacturer for more information.

## SECTION 16) OTHER INFORMATION

### Glossary

ACGIH - American Conference of Governmental Industrial Hygienists
BSC - Biological Safety Cabinet
CAS - Chemical Abstract Service
Chemtrec - Chemical Transportation Emergency Center(US)
CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act
HEPA - High efficiency particulate air
LC - Lethal Concentration
LD - Lethal Dose
N/A - Not applicable
NIOSH - National Institute for Occupational Safety and Health
OEL - Occupational Exposure Limits
OSHA - Occupational Safety and Health Administration, US Department of Labor
PEL - Permissible Exposure Limit
SARA (Title III)- Superfund Amendments and Reauthorization Act
SARA 313 - Superfund Amendments and Reauthorization Act, Section 313
SCBA - Self Contained Breathing Apparatus
STEL - Short Term Exposure Limit
TLV - Threshold Limit Value
TSCA - Toxic Substances Control Act Public Law 94-469
TWA - Time Weighted Average
US DOT - US Department of Transportation

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