Material Safety Data Sheet

SECTION 1 CHEMICAL IDENTIFICATION

PRODUCT NAME: LACTATE OXIDASE, AEROCCUS VIRIDANS (LOD)

CAT NO: MBS653757

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CAS NO: 9028-72-2
MOLECULAR WEIGHT: 80KD
MOLECULAR FORMULA: 

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification
Respiratory sensitization (Category 1), H334

Signal Word: Danger

Hazard Statements:
Xn: Harmful
H334: May cause allergy or asthma symptoms or breathing difficulties if inhale

Precautionary Statements:
P261: Avoid breathing dust/fume/gas/mist/vapors/spray
P285: In case of inadequate ventilation wear respiratory protection
P304+P341: If inhaled: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing
P342+P311: If experiencing respiratory symptoms: Call a Poison Center or doctor/physician
P501: Dispose of contents/container to an approved waste disposal plant

NFPA Classification
Health Rating: 2
Flammability: 0
Reactivity: 0

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

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<tr>
<th>SUBSTANCE</th>
<th>CAS#</th>
<th>CLASSIFICATION</th>
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<td>Lactate Oxidase</td>
<td>9028-72-2</td>
<td>Xn, H334</td>
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SECTION 4. FIRST-AID MEASURES

Skin Contact: Remove contaminated clothing and wash the exposed skin area thoroughly with soap and water.
Eye Contact: Flush with copious amounts of water for at least 15 minutes. Seek medical attention.
Inhalation: Remove to fresh air, give oxygen if breathing becomes difficult and seek medical attention
Ingestion: Flush mouth with copious amounts of water, provided that the person is conscious and seek medical attention.

SECTION 5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Water spray, Dry Chemical, Foam or Carbon Dioxide.
Firefighting: Wear protective clothing and self-contained breathing apparatus to prevent contact with skin and eyes

SECTION 6. ACCIDENTAL RELEASE MEASURES

Body Precautions: Wear rubber gloves, impermeable shoe covers and long laboratory coat.
Environmental Precautions: Contain the spill to the smallest area possible.
Cleaning Measures: Take care not to contaminate body. Absorb the material with disposable towels. Wash area with disposable towels. Transfer contaminated absorbent to a chemical waste container for disposal. Dispose of all contaminated trash in accordance with local regulations.

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SECTION 7. HANDLING AND STORAGE
Avoid inhalation and contact with eyes and skin. Avoid prolonged or repeated exposure.
Storage: Store at -20°C

SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION
Personal Protective Equipment: Long lab coat, chemical resistant gloves, and chemical safety glasses.
Change gloves when they become contaminated.
Respiratory protection: In case of fire, wear self-contained breathing apparatus

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES
Physical State: Supplied as a yellow lyophilized powder

SECTION 10. STABILITY AND REACTIVITY
Stability: Stable
Conditions to Avoid: Strong oxidizing agents
Hazardous Decomposition Products: May form carbon dioxide and carbon monoxide.

SECTION 11. TOXICOLOGICAL INFORMATION
Information on toxicological effects:
Acute toxicity: No data available
Inhalation: No data available
Dermal: No data available
Skin corrosion/irritation: No data available
Serious eye damage/eye irritation: No data available
Respiratory or skin sensitization: No data available
Germ cell mutagenicity: No data available
Carcinogenicity:
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC
ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as carcinogen or potential carcinogen by NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
Reproductive toxicity: No data available
Specific target organ toxicity - single exposure: No data available
Specific target organ toxicity - repeated exposure: No data available
Aspiration hazard: No data available
Additional Information
RTECS: Not available
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

SECTION 12. ECOLOGICAL INFORMATION
No data available.

SECTION 13. DISPOSAL CONSIDERATIONS
Observe all federal, state and local environmental regulations.

SECTION 14. TRANSPORT INFORMATION
DOT(US): Not regulated for transport
IMDG: Not regulated for transport
IATA: Not regulated for transport

SECTION 15. REGULATORY INFORMATION
SARA 302 Components
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III,

OTHER INFORMATION:
The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide.
MyBioSource, Inc. shall not be held liable for any damage resulting from handling or from contact with the above product.

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