

Section 1. Product and Company Identification

Product Name Bacterial Alpha Amylase
CAS Number 9001-19-8; 56-81-5

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Collect Calls Accepted

Section 2. Hazards Identification

Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Respiratory sensitization (Category 1), H334

GHS Label Elements

Pictograms:



Signal word: DANGER

Hazard and precautionary statements

Hazard Statements

H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H319: Causes serious eye irritation

H315: Causes skin irritation

H335: May cause respiratory irritation

Precautionary Statements

P261: Avoid breathing dust/fume/gas/mist/vapors/spray.

P285: In case of inadequate ventilation wear respiratory protection

P304+ P 341: IF INHALED, breathing if difficult, remove victim to fresh air and keep at rest position comfortable for breathing

P342+ P 311: If experiencing respiratory symptoms: Call POISON CENTER or doctor/physician

P501: Dispose of contents/container according to local regulations



Section 3. Composition / Information on Ingredients

Common Name Bacterial Alpha Amylase
Synonym(s) Enzyme Blend
CAS Number 9001-19-8; 56-81-5

Section 4. First Aid Measures

Description of first-aid measures

General Advice: Consult a physician; show this safety data sheet to the doctor in attendance. Move out of dangerous area.

Inhalation: Remove from exposure. If symptoms of irritation or sensitization occur (Shortness of breath, wheezing or labored cough), seek medical advice

Skin Contact: Rinse thoroughly in running water. Remove contaminated shoes and clothing. Consult doctor if symptoms develop

Eye Contact: Rinse thoroughly in running water. Consult doctor if symptoms develop

Ingestion: Rinse mouth and throat thoroughly with water. Should irritation occur, seek medical advice

Most important symptoms and effects, both acute and delayed

Inhalation: Inhalation may cause irritation to respiratory system. May entail sensitization via inhalation.

Ingestion: May entail gastrointestinal problems

Skin Contact: May cause irritation

Eye Contact: May cause eye irritation (Redness)

Indication of any immediate medical attention and special treatment needed: No data available

Section 5. Firefighting Measures

Extinguishing media

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture: Nature of decomposition product is unknown.

Advice for firefighters: Wear self-contained breathing apparatus for firefighting if necessary.

Further Information: No Data available.

Section 6. Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures: Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

Environmental precautions: Do not let product enter drains.

Methods and materials for containment and cleaning up: Pickup and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

Reference to other sections: For disposal see section 13 and see section 8 for individual protective equipment.

Section 7. Handling and Storage

Precautions for safe handling: Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. See Section 2 for precautions. Do not eat, drink, smoke or use personal products when handling chemical substance.

Conditions for safe storage, including any incompatibilities: Store in clean, cool, dry and well ventilated space. Away from direct sunlight.

Section 8. Exposure Controls / Personal Protection

Control parameters

Components with workplace control parameters: Contains no substances with occupational exposure limit values.

Exposure controls

Personal protective equipment

Eye/Face protection: Full mask

Skin protection: Wear appropriate protective clothing

Body protection: Wear appropriate gloves, clothes

Respiratory protection: Wear P3 dust mask

Control of environment exposure: Do not let product enter drains. Notify local authorities if significant leaks and cannot be contained

Section 9. Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance: Liquid

Color: Yellowish to dark brown

Odor Threshold: Data not relevant

pH: Data not relevant



Melting point/Freezing point: Data not relevant
Initial boiling point/ boiling point range: Data not relevant
Flash point: Data not relevant
Evaporation rate: Data not relevant
Flammability (Solid, Gas): Data not relevant
Upper/Lower flammability or explosive limits: Data not relevant
Vapor pressure: Data not relevant
Vapor density: Data not relevant
Water solubility: Data not relevant
Partition coefficient: Data not relevant
Auto ignition temperature: Data not relevant
Decomposition temperature: Data not relevant
Viscosity: Data not relevant
Explosive properties: Data not relevant
Oxidizing properties: Data not relevant

Other safety information: No data available

Section 10. Stability and Reactivity

Reactivity: Data not relevant
Chemical stability: Stable under recommended conditions
Possibility of hazardous reaction: N/A under recommended conditions
Conditions to avoid: See section 5 and 7
Incompatible materials: No special recommendations
Hazardous decomposition products: No data available

Section 11. Toxicological Information

Information on toxicological effects

Acute toxicity: No data available
Skin corrosion/irritation: May entail irritation
Serious eye damage/eye irritation: No data available
Respiratory or skin sensitization: May entail irritation
Germ cell mutagenicity: No data available
Carcinogenicity: No data available
Reproductive toxicity: No data available
Specific target organ toxicity - Single exposure: No data available
Specific target organ toxicity - Repeated exposures: No data available
Aspiration hazard: No data available
Additional Information - RTECS: No data available

To best of our knowledge, the chemical, physical and toxicological properties have not thoroughly investigated.



Section 12. Ecological Information

Toxicity: No data available
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 Treatment Methods: Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.

Section 14. Transport Information

DOT (US): Not dangerous goods
IMDG: Not dangerous goods
IATA: Not dangerous goods

Section 15. Regulatory Information

No Data Available

Section 16. Other Information

Disclaimer: The above information is believed to be correct but does not purport 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.

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