

1. IDENTIFICATION OF PRODUCT AND SUPPLIER

Product name: Lipase
Supplier: ClearChem Diagnostics
1710 E. Grevillea Ct.
Ontario, CA. 91761
714-7348041/714-7348036(fax)

2. CHEMICAL CHARACTERIZATION / INFORMATION ON INGREDIENTS

Reagent: Sucrose >70% Cas # 57-50-1
Nonylphenol, branched, ethoxylated <4% CAS # 68412-54-4
Glycerol Phosphate Oxidase <2% CAS 9046-28-0

Activator: No Hazardous Ingredients

Buffer: No Hazardous Ingredients

Standard: Sucrose >40% CAS # 57-50-1
Bovine Serum Albumin 10-20% CAS # 70024-90-7
Lipase <0.1% CAS # 9001-62-1

3. HAZARDS IDENTIFICATION

Reagent:
Hazard Classifications:
Respiratory Sensitization (Category 1)

Hazard Statements

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

Precautionary Statements

Prevention:
P261 Avoid breathing dust/fume/gas/mist/vapors/spray. P285 In case of inadequate ventilation wear respiratory protection. Signal Word: Danger

Response:
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.

Storage:
None

Disposal:
P501: Dispose of contents into sewer system after diluting with large volumes of water, if in accordance with local regulations.

Activator:
Hazard Classifications:
Not a hazardous substance or mixture.
Pictogram:
Not required.
Signal Word:
Not required.
Hazard Statements:
Not a hazardous substance or mixture.
Precautionary Statements:
Not a hazardous substance or mixture.

Buffer:
Hazard Classifications:
Not a hazardous substance or mixture.
Pictogram:

Not required.
Signal Word:
Not required.
Hazard Statements:
Not a hazardous substance or mixture.
Precautionary Statements:
Not a hazardous substance or mixture. SAFETY DATA SHEET

Standard:
Hazard Classifications:
Not a hazardous substance or mixture.
Pictogram:
Not required.
Signal Word:
Not required.
Hazard Statements:
Not a hazardous substance or mixture.
Precautionary Statements:
Not a hazardous substance or mixture

4. FIRST AID MEASURES

SKIN: In case of contact, immediately flush area with plenty of water.

EYES: Immediately flush eyes with plenty of water for at least 15 minutes and get medical attention.

ORAL: If ingested drink plenty of fluids and contact a physician.

INHALATION: If inhaled move victim to fresh air. If not breathing give artificial respiration. If breathing is difficult give oxygen, and call physician.

5. FIRE-FIGHTING MEASURES

Flammable: NO
Extinguishing media: As appropriate for fire in surrounding materials.
Flash point: Not Applicable
Upper flammable limit: Not Applicable
Lower flammable limit: Not Applicable
Auto ignition temperature: Not Applicable
Hazardous combustion products: No data Explosion data
Sensitivity to mechanical impact: Not Applicable Sensitivity to static discharge: Not Applicable
Unusual fire and explosion hazards: No Data

6. ACCIDENTAL RELEASE MEASURES

Local exhaust: Not Required

Protective clothing: Lab Coat

Protective gloves: Rubber/Latex

Eye protection: Safety glasses

Respiratory protection: Required only if inadequate ventilation.

Leak and spill procedure: Reagent/Standard: Collect spillage and dispose of to a waste disposal plant. Prevent entry into water system.

7. HANDLING AND STORAGE

Handling: Normal precautions for handling chemicals must be observed. Provide appropriate exhaust ventilation at places where dust is formed. Persons susceptible for allergic reactions should not handle this product. Wash thoroughly after handling. Observe good industrial hygiene practices.

Storage: Store between 2-8 °C

Shipping regulations: Not regulated

8. EXPOSURE CONTROLS / PERSONNEL PROTECTION

Local exhaust: Required if generating dust formation.

Protective clothing: Lab Coat

Protective gloves: Rubber/Latex

Eye protection: Safety glasses

Respiratory protection: Required if inadequate ventilation.

Other precautions: Avoid contact and inhalation, do not get in eyes, on skin or clothing. Do not pipet by mouth. Wash contaminated clothing before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Reagent/Standard: Lyophilized powder

Activator/Buffer: Stable liquid

Appearance and odor: Buffer is a clear colorless solution. Activator is clear to slight yellow liquid. Standard and reagent are white to off-white Lyophilized powder.

Odor threshold: Not Available

Vapor pressure: Not Available

Vapor density: Not Available

Specific gravity: Not Available

Evaporation rate: Not Available

Melting point: Not Available

Boiling point: Not Available

Solubility in water: Reagent/Standard: Soluble

pH: Reagent = 6.80

Activator = 8.5-8.9

Buffer = 6.6-7.0

Standard = 7.0-7.1 (prior to lyophilizing)

Coefficient of oil/water distribution: Not Available

10. STABILITY AND REACTIVITY

Stable: Yes

Hazardous polymerization: Will not occur.

Incompatibility with other substances: Caution, Activator and Buffer contain Sodium Azides, in contact with heavy metals, may form explosive metal azides. Avoid contact with strong acids, strong bases and strong oxidizers.

Hazardous decomposition products: Not Available

11. TOXICOLOGICAL INFORMATION

ROUTE OF ENTRY/EXPOSURE SKIN CONTACT: [x] EYE CONTACT: [x] INHALATION: [x] INGESTION: [x] SKIN ABSORPTION [x]

Effects of acute exposure:

SKIN CONTACT: May cause irritation.

EYE CONTACT: May cause irritation.

INGESTION: May cause discomfort if ingested. Ingestion may cause irritation and malaise.

INHALATION: May cause allergic respiratory reaction.

Effects of chronic exposure: No data available.

SENSITIZATION TO PRODUCT: Not Available

SYNERGISTIC PRODUCTS: Not Available

LD50: MOPSO: Not Available

12. ECOLOGICAL INFORMATION

Water Hazard Class: Not available.

13. DISPOSAL CONSIDERATIONS

Waste disposal: Dispose of contents/container in accordance with local/regional/national/international regulations.

14. TRANSPORT INFORMATION

Shipping information: Not regulated

15. REGULATORY INFORMATION

Not applicable.

16. OTHER INFORMATION

The information herein is believed to be correct as of the date hereof but is provided without warranty of any kind. The recipient of our products is responsible for observing any laws and guidelines applicable