



Salivary α -Amylase Assay Kit Contents for Importers Cat#: 1-1902 (Single)/1-1902-5 (5-Pack)

Kit Component Descriptions:

Quantity/Single Kit (x5 in 5-Pack)

- | | |
|--|-----------------------|
| 1. α-Amylase Diluent: A phosphate buffered solution containing a non-mercury preservative. | 30 mL/Bottle |
| 2. α-Amylase Substrate: A ready-to-use solution of 2-chloro-p-nitrophenol linked with maltotriose. Sodium azide, at 0.01% is added as a preservative. | 45 mL/Bottle |
| 3. α-Amylase Controls:
High & Low - α -Amylase, <0.01% for both.
Both concentrations of α -Amylase are in a synthetic saliva matrix containing a non-mercury preservative. | 100 μ L/Vial each |

Dermal Exposure

In case of contact, immediately wash skin with soap and flush thoroughly with large amounts of water.

Eye Exposure

In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

Section 5 – Fire Fighting Measures

Auto ignition Temp N/A

Extinguishing Media

Suitable

Water Spray. Carbon dioxide, dry chemical powder, or appropriate foam.

Firefighting

Protective Equipment

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Specific Hazard(s)

May emit toxic fumes under fire conditions.

Section 6 – Accidental Release Measures

Procedure(s) of Personal Precaution(s)

Wear self-contained breathing apparatus, chemical safety goggles, rubber boots, and heavy rubber gloves.

Methods for Cleaning Up

Evacuate area. Eliminate any ignition sources. Contain and eliminate source of spill. Absorb spill up, containerize and hold for waste disposal. Ventilate area and wash spill site after material pickup is complete. (See Section 13 for details on disposal.)

Section 7 – Handling and Storage

Handling

User Exposure

Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

Storage

Suitable

Keep tightly closed. Store at 2-8⁰C (35.6-46.4⁰F).

Special Requirements

Refrigerate.

Section 8 – Exposure Controls/PPE

Engineering Controls

Safety shower and eye bath. Mechanical exhaust required.

Personal Protective Equipment

Respiratory

Government approved respirator.

Hand

Compatible chemical-resistant gloves.

Eye

Chemical safety goggles.

General Hygiene Measures

Wash thoroughly after handling. Do not take internally.

α - Amylase Diluent

α - Amylase High & Low Controls

Exposure Guidelines

No OSHA or ACHIH limits have been established.

Section 9 – Physical/Chemical Properties

Appearance

Physical State	Liquid		
Color	Clear		
Molecular Weight	N/A	Volatile %	N/A
PH	N/A	VOC Content	N/A
BP/BP Range	N/A	Water Content	80-90%
MP/MP Range	N/A	Solvent Content	N/A
Freezing Point	N/A	Evaporation Rate	N/A
Vapor Pressure	N/A	Viscosity	N/A
Vapor Density	N/A	Partition Coefficient	N/A
Saturated Vapor Conc.	N/A	Decomposition Temp.	N/A
SG/Density	N/A	Flash Point ⁰F	Non-Combustible
Bulk Density	N/A	Flash Point ⁰C	N/A
Odor Threshold	N/A	Explosion Limits	N/A
Flammability	N/A	Autoignition Temp	N/A
Solubility in Water	N/A		

Section 10 – Stability and Reactivity

Stability

Stable

Stable.

Materials to Avoid

Strong oxidizing agents and strong bases.

Hazardous Decomposition Products

Hazardous Decomposition Products

Carbon monoxide, Carbon dioxide.

Hazardous Polymerization

Hazardous Polymerization

Will not occur.

Section 11 – Toxicological Information

Route of Exposure

Skin Contact

May cause skin irritation.

Skin Absorption

May be harmful if absorbed through skin.

Eye Contact

May cause eye irritation.

Inhalation

May be harmful if inhaled. Material may be irritating to mucous membranes and upper respiratory tract.

Ingestion

May be harmful if swallowed.

RTECS Number: N/A

Carcinogenicity:

None of the materials composing this mixture are listed as a cancer causing agents.

α - Amylase Diluent

α - Amylase High & Low Controls

Section 12 – Ecological Information

No data available.

Section 13 – Disposal Considerations

Appropriate Method of Disposal of Substance or Preparation

Contact a licensed professional waste disposal service to dispose of this material.

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an after burner and scrubber.

Observe all federal, state, and local environmental regulations.

Section 14 – Transport Information

DOT

Proper Shipping Name: None

Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport.

IATA

Non-Hazardous for Air Transport: Non-hazardous for air transport.

Section 15 – Regulatory Information

United States Regulatory Information

Sara Listed: No

Canada Regulatory Information

WHMIS Classification

This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

DSL: Yes

NDSL: No

Section 16 – Other Information

Disclaimer & Warranty

The information and recommendations contained on this data sheet are based on sources believed to be accurate and reliable, as of the date thereof, but are presented without guarantee, warranty or responsibility of any kind, expressed or implied. It is the user's responsibility to determine the product's safe use and to comply with all applicable Local, State and Federal laws for the product's proper disposal. We reserve the right to rewrite the Material Safety Data Sheets periodically as new information becomes available.

N/A = not available



101 Innovation Boulevard, Suite 302, State College, PA 16803 • USA
814.234.7748 • Fax 814.234.1608 • www.salimetrics.com

Material Safety Data Sheet

Date Updated: 3-20-12

Product and Company Information

Product Name	α – AMYLASE SUBSTRATE	
Product Numbers	Component of Kit(s): 1-1902, 1-1902-5	
Company Supplier	Salimetrics, LLC	
Street Address	101 Innovation Boulevard Suite 302	
City, State, Zip, Country	State College, PA 16803 USA	
Technical Phone	814-234-7748	Emergency Phone: 814-234-7748
Fax	814-234-1608	(8am to 5:30pm, EST; Mon. – Fri.)

Hazards Identification

In compliance with OSHA's HAZARD COMMUNICATIONS STANDARD (29CFR 1910.1200) a chemical mixture is considered hazardous if it contains 1% (one percent) or more of a hazardous compound or more than 0.1% (one tenth of one percent) of a carcinogen.

This product does not meet OSHA's definition of a hazardous material; therefore, a Material Safety Data Sheet (MSDS) is not required.

Caution:

Contains Potassium Thiocyanate (POISON) (CAS# 333-20-0). DO NOT INGEST. May produce irritating gas on contact with bleach.

Contains Sodium Azide 0.01% (POISON) (CAS# 26628-22-8). On contact with acid, forms toxic hydrozoic acid. See Material Safety Data (Hazardous Ingredients) section of kit insert

Other Information

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