



Teco Diagnostics

Clinical Reagent Specialists

Form	QL801-006
Revision	A
Prepared by	Brian Anderson
Approved by	Owen Bry
Issue date	1/14/2011

[MSDS]

ALT (SGPT), Kinetic

1268 N. Lakeview Ave. Anaheim, CA 92807 Phone: (714)463-1111 Fax: (714)463-1169 www.tecodiag.com

Section 1 – Product and Company Information

Product Name	ALT (SGPT), Kinetic	Emergency Telephone No.
Catalog Number	A525-240, A525-400	CHEMTREC (800) 424-9300
Product Type	Clinical Chemistry Reagent	International CHEMTREC (703) 527-3887
Company Name	Teco Diagnostics	Company Telephone No.
Street Address	1268 N. Lakeview Avenue	(800) 222-9880 or (714) 463-1111 Monday - Friday 8:00-4:30 PST
City, State, Zip Code, Country	Anaheim, CA 92807 USA	Fax No. (714) 463-1169

Section 2 – Composition/Information on Ingredients

	Chemical Names	Concentration	CAS#
ALT (SGPT), Reagent:	α -Ketoglutarate	13 mM	328-50-7
	L-Alanine	400 mM	56-41-7
	NADH	0.2 mM	53-84-9
	LDH	800 U/L	9001-60-9

Other components either non-hazardous or at concentrations below that requiring hazardous listing.

Section 3 – Hazards Identification

Emergency Overview: Note: The following information applies to the component materials at higher concentrations than present in the reagent. Although lower concentrations are present in the reagent, appropriate safety precautions should still be taken.	
Routes of Entry/Exposure: Skin contact, eye contact, ingestion, inhalation	
Effects of Acute Exposure Skin Contact: May cause irritation. Eye Contact: May cause irritation. Ingestion: May be harmful if ingested. Inhalation: May cause irritation to mucous membranes and upper respiratory tract.	Effects of Chronic Exposure No information available.
Carcinogenicity: Not a known carcinogen	
For additional information on toxicity, please refer to section 11.	

Section 4 – First Aid Measures

Oral Exposure If swallowed, wash out mouth with water provided person is conscious. Call a physician.
Inhalation Exposure If inhaled, move victim to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.
Dermal Exposure In case of skin contact, immediately wash skin with soap and copious amounts of water for at least 15 minutes while removing contaminated clothing and shoes. Call a physician.
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 and Explosive Hazard Data

Flash Point N/A	Explosion Limits N/A	Autoignition Temp N/A
Extinguishing Media Use extinguishing media as appropriate for site conditions.		
Firefighting Measures Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Unusual Fire & Explosion Hazards: May emit toxic fumes under fire conditions.		

Section 6 – Accidental Release Measures

Procedure to be Followed in Case of Leak or Spill Absorb on inert material. Place material and contaminated disposables into a suitable container, seal, label and hold for disposal.
Procedures of Personal Precaution Wear chemical safety glasses, lab coat and chemical-resistant gloves. Exercise appropriate precautions to minimize direct contact with skin or eyes or clothing. Respiratory protection is not normally required
Methods for Cleaning Up and Disposal Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Wash spill site after material pickup is complete.



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Section 7 – Handling and Storage

<p>Handling Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure. Avoid inhalation or ingestion. Do not pipette by mouth. Refer to Section 8.</p>	<p>Storage Store according to package directions. Store at 2-8°C.</p>
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Section 8 – Exposure Controls / PPE

<p>Engineering Controls Safety shower and eye wash should be available. Mechanical exhaust not required.</p>	<p>Personal Protective Equipment Protective clothing: Lab coat Protective gloves: Hypoallergenic chemical-resistant gloves Eye Protection: Safety glasses Respiratory protection: None normally required.</p>
<p>General Hygiene Measures Wash thoroughly after handling.</p>	

Section 9 - Physical Data

<p>Appearance White to off-white powder</p>	<p>pH Reconstituted reagent pH = 7.8 ± 0.2</p>	<p>Odor No significant odor</p>
<p>Specific Gravity N/A</p>	<p>Boiling Point N/A</p>	<p>Solubility in Water Soluble</p>

Section 10 – Stability and Reactivity

<p>Stability Stable, under normal handling and storage conditions.</p>	<p>Materials to Avoid Bases, oxidizing agents, reducing agents</p>
<p>Hazardous Decomposition Products Carbon monoxide, carbon dioxide, nitrogen oxides, phosphorous oxides</p>	<p>Hazardous Polymerization Will not occur</p>

Section 11 – Toxicological information

<p>Signs and Symptoms of exposure To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated</p>

Section 12 – Ecological Information

<p>No data available.</p>

Section 13 – Disposal Considerations

<p>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 afterburner and scrubber. Observe all federal, state, and local environmental regulations.</p>

Section 14 – Transport Information

<p>DOT Proper Shipping Name: None Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport.</p>	<p>IATA Non-hazardous for air transport.</p>
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Section 15 – Regulatory Information

<p>OSHA Status: Regulated under Subpart Z Classification: The preparation is classified and labeled according to EEC Directive n.88/379. Symbol: NA Risk Statements: NA Safety Statements: NA</p>

Section 16 – Other Information

<p>This Product is labeled in accordance with CFR21 (Food and Drugs), Section 809.10.</p>
<p>The information contained herein has been compiled from data presented in various technical sources believed to be accurate. We make no warranties, express or implied, and assume no liability in connection with the use of this information. It is the user's responsibility to determine the suitability of this information and to assure the adoption of necessary safety precautions.</p>

N/A - Not Applicable or Not Available