

List	Material Safety Data Sheet (Documentation Requirements)
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Section 1 – Product and Company Information

Product Name	AST (SGOT), Kinetic	Emergency Telephone No.
Catalog Number	CD-AST-240, CD-AST-400	CHEMTREC (800) 424-9300
Product Type	Clinical Chemistry Reagent	International CHEMTREC (703) 527-3887
Company Name	Concept Diagnostics	Company Telephone No.
Street Address	2527 S. Greenwood Pl.,	(909) 947-3462
City, State, Zip Code, Country	Ontario, CA 91761 USA	Fax No. (909) 947-3162

Section 2 – Composition/Information on Ingredients

	Chemical Names	Concentration	CAS#
AST (SGOT), Reagent:	2-Oxoglutarate	12 mM	328-50-7
	L-Aspartic Acid	200 mM	56-84-8
	NADH	0.19 mM	53-84-9
	LDH	800 U/L	9001-60-9
	MDH	600 U/L	

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: Inhalation, ingestion, eye and skin contact.
Acute Skin Contact: Wash contaminated area with soap and large amounts of water.
Chronic Skin Contact: Wash contaminated area with soap and water.
Acute Eye Contact: Flush eye with copious amounts of water for at least 15 minutes.
Chronic Eye Contact: Flush eye with copious amounts of water.
Acute Ingestion: Wash out mouth with large amounts of water. Consult physician if necessary.
Chronic Ingestion: Wash out mouth with large amounts of water.
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 large amounts water provided person is conscious. Call a physician.
Inhalation Exposure
If inhaled, remove to fresh air. If not breathing give artificial respiration but NOT by mouth-to-mouth resuscitation. 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	Explosion Limits	Auto ignition Temp
N/A	N/A	N/A
Extinguishing Media		
Use media appropriate for site conditions.		
Suitable: Water spray, Carbon dioxide, dry chemical powder, or appropriate foam.		
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.		
Specific Hazard(s): Emits toxic fumes under fire conditions		

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Section 6 – Accidental Release Measures

<p>Procedure to be Followed in Case of Leak or Spill Ventilate the area. Absorb on inert material. Place material and contaminated disposables into a suitable container, seal, label and hold for disposal. Waste Disposal Method: Dispose of in accordance with federal, state, and local regulations.</p>	<p>Procedures of Personal Precaution Wear chemical safety goggles, rubber boots and heavy rubber gloves. Exercise appropriate precautions to minimize direct contact with skin or eyes.</p>
<p>Methods for Cleaning Up and Disposal Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.</p>	

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.</p>
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Section 8 – Exposure Controls / PPE

<p>Respiratory Protection: None required where adequate ventilation is satisfactory. Ventilation: General room ventilation is satisfactory. Protective Gloves: Recommended. Eye Protection: Safety glassed or goggles. Other Protective Equipment: Safety shower and eye. Wash should be available. Use a safety pipette device. Lab coat recommended.</p>

Section 9 - Physical Data

<p>Appearance White to off-white powder</p>	<p>pH 7.8 ± 0.1</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 N/A</p>
<p>Hazardous Decomposition Products N/A</p>	<p>Hazardous Polymerization Will not occur</p>

Section 11 – Toxicological information

<p>Route of Exposure No information available.</p>

Section 12 – Ecological Information

<p>No information available.</p>

Section 13 – Disposal Considerations

<p>Appropriate Method of Disposal of substance or preparation Dispose of in accordance with current national and regional regulations.</p>

Section 14 – Transport Information

<p>Product is stable under normal conditions.</p>

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. 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>

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