		Bally Da	ata Sheet (SDS)
Revision Numl	ber: 1.1		Last updated: May 2015
Product an	d Company Identific	ation	
Product Name			Enterokinase Activity Assay Kit * Fluorimetric*
Manufacturer/	Supplier:	AnaSpec, Inc.	Diterokindse neuvrey nissay ikit i hastinietite
Ū	* *	www.anaspec.co	om
		34801 Campus	
		Fremont, CA 94	
		Tel: 510-791-95	
		Fax: 510-791-95	
		Email: service@	
Catalog Numb	per	AS-72209	
Unit Size		1 kit	
2. Hazards Id	entification	· ·	
<i>Emergency Ov</i>			
GHS Hazard (
GHS Physical	Hazards		
	-	A: Flammable liquid	
	-	B: Flammable liquid	l (Category 4)
	-	C: Not Applicable	
	Component l	D: Not Applicable	
	Component I	E: Flammable liquid	(Category 4)
GHS Health ai	nd Environmental Haz	zards	
0110 1100000 00		A: Irritant to eyes and	d skin
	-	B: Irritant to eyes and	
	-	C: Irritant to eyes and	
		D: Irritants to eyes and	
	-	E: Irritants to eyes a	
		,	
GHS Signal W		A. Warning	
	Component I		
	Component I	-	
	Component	-	
	Component l	-	
	Component I	E: warning	
GHS Hazard S	Statements:		
	Component .	A: H227 Combustib	le liquid
	Component]	B: H227 Combustib	le liquid
	-	C: H302 Harmful if	-

Component D: H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage. H335 May cause respiratory irritation.

Component E: H227 Combustible liquid

GHS Precautionary Statements:

Component A: - None Component B: - None Component C: - None Component D: -None Component E: -None

HMIS Classification:

Component A:	Component B:	Component C:	Component D:	Component E:	
Health hazard: 0	Health hazard: 0	Health hazard: 0	Health hazard: 0	Health hazard: 0	
Flammability: 2	Flammability: 2	Flammability: 0	Flammability: 0	Flammability: 2	
Physical hazards:	Physical hazards:	Physical hazards:	Physical hazards:	Physical hazards:	
0	0	0	0	0	

NFPA Rating:

Component A:	Component B:	Component C:	Component D:	Component E:	
Health hazard: 0	Health hazard: 0	Health hazard: 0	Health hazard: 2	Health hazard: 0	
Fire: 2	Fire: 2	Fire: 0	Fire: 0	Fire: 2	
<i>Reactivity hazard:</i> 0					

3. Composition / Information on Ingredients

Ingredien	ts/Components:			
	Chemical Name:	Description	CAS Number:	
	Component A	Contains DMSO	67-68-5	
	Component B	Contains DMSO	67-68-5	
	Component C	Solution	N/A	
	Component D	Solution	N/A	
	Component E	Contains DMSO	67-68-5	

4. First Aid	Measures
General a	dvice
Consult a p	physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
Componer	nt A
	: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a
	physician.
Ingestion:	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth
0	with water. Consult a physician.
Skin:	Wash off with soap and plenty of water. Consult a physician.
Eyes:	Flush eyes with water as a precaution.
-	
Componer	nt B
Inhalation:	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a
	physician.
Ingestion:	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth
Ū.	with water. Consult a physician.
Skin:	Wash off with soap and plenty of water. Consult a physician.
Eyes:	Flush eyes with water as a precaution.
-	
Componer	nt C
-	If breathed in move person into fresh sir. If not breathing give entitical requirestion Consult a

Inhalation: If breathed in, move person into fresh air. If not breathing give artificial respiration Consult a physician.

Ingestion: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Skin: Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.

Eyes: Flush eyes with water as a precaution.

Component D

Inhalation: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

Ingestion: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

- *Skin:* Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.
- *Eyes:* Flush eyes with water as a precaution.

Component E

Inhalation: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

- *Ingestion:* Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
- Skin: Wash off with soap and plenty of water. Consult a physician.
- *Eyes:* Flush eyes with water as a precaution.

5. Fire Fighting Measures

Extinguishing media:	
	Component A, B, and E: For small fires, use alcohol resistant foam, dry chemical, or carbon dioxide. For large fires, use water spray from a safe distance.
	Component C, D: Not applicable.
Special firefighting procedures:	Component A, B, and E: Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear. Component C, D: Not applicable.
Unusual fire and explosions hazards:	Component A, B, E: Combustible liquid and vapor. Vapors are heavier than air and may travel to a source of ignition and flash back. Vapors can spread along the ground and collect in low or confined areas. Hazardous carbon oxides and sulphur oxides formed under fire conditions.
	Component C, and D: Not applicable.

6. /	<u>Accide</u>	ental 1	Rele	<u>ase Me</u>	asures	
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response	Component A, B, and E: Immediately contact emergency personnel. Prevent further leakage or spillage if safe to do so. Avoid breathing vapors or mist. Remove all sources of ignition and provide ventilation. Collect with an electrically protected vacuum cleaner, by wet-brushing, or by absorbing with vermiculite, sand or earth, and place in appropriate container for disposal. Do not let material enter drains. Component C, and D: Not applicable.	
PPE	Use personal protective equipment	

7. Handling and Storage

Component A, B, and E

Handling: Wash thoroughly after handling. Remove and wash any contaminated clothing. Keep container tightly closed and avoid contact with eyes, skin, and clothing. Use with adequate ventilation and avoid ingestion and inhalation. Keep away from heat and flame.

Storage: Store in a tightly closed container away from moisture, heat, and flame. Store away from

incompatible substances. Storage under a nitrogen blanket has been recommended. **Component C, and D:** Not applicable.

8. Exposure Controls /Personal Protection

Engineering controls	Component A, B and E: Facilities storing and using this material should be equipped with a safety shower and eyewash station. Adequate ventilation should also be present. Component C, and D: Not applicable.
PPE	 Component A, B, and E <i>Respiratory System:</i> A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use. <i>Skin and Body:</i> Wear appropriate work uniform or laboratory coat to prevent skin exposure. <i>Hands:</i> Use chemical resistant, impervious gloves. Appropriate techniques should be used to remove potentially contaminated gloves. <i>Eyes:</i> Wear chemical splash goggles. Component C, and D: Not applicable.

9. Physical and Chemical Properties

Physical State	Components are liquids,	
Odo	Not determined	
Solubility in Water	Soluble	
Specific Gravity	Not determined	
pН	Component A, Not applicable	
	Component B, no data available	
	Component C -7.4	
	Component D -7.4	
	Component E no data available	
Boiling Point	Not determined	
Melting Point	Not determined	
Flash Point	Not determined	
Vapor Pressure:	Not determined	
Vapor Density:	Not determined	

10.Stability and Reactivity

Thermal Decomposition	Not applicable
Dangerous Products of Decomposition	Not Applicable
Dangerous Reactions	Not Applicable

Component A: PV6210000
Component B: PV6210000
Component C: N/A
Component D: N/A
Component E: PV6210000
For Component A, B, and F contain DMSO.
Oral LD50
LD50 Oral - rat - 14,500 mg/kg
Inhalation LC50
LC50 Inhalation - rat - 4 h - 40250 ppm
Dermal LD50
LD50 Dermal - rabbit - > 5,000 mg/kg
No data available
Potential Health Effects
Inhalation May be harmful if inhaled. Causes respiratory tract
irritation.
Ingestion Harmful if swallowed.
Skin Harmful if absorbed through skin. Causes skin irritation.
Eyes Causes eye irritation.
Aggravated Medical Condition: Avoid contact with DMSO solutions
containing toxic materials or materials with unknown toxicological
properties. Dimethyl sulfoxide is readily absorbed through skin and
may carry such materials into the body.
No data available
No data available
deta availabla
data available

For Dimethyl sulfoxide (DMSO) CAS-No. 67-68-5 (Component A, B, and E contain DMSO) Toxicity Toxicity to fish LC50 - Pimephales promelas (fathead minnow) - 34,000 mg/l - 96 h LC50 - Oncorhynchus mykiss (rainbow trout) - 35,000 mg/l - 96 h Toxicity to daphnia and other aquatic invertebrates. EC50 - Daphnia pulex (Water flea) - 27,500 mg/l Toxicity to algae EC50 - Lepomis macrochirus (Bluegill) - > 400,000 mg/l - 96 hPersistence and degradability No data available **Bioaccumulative potential** No data available Mobility in soil No data available **PBT and vPvB assessment** No data available **Other adverse effects** No data available

13. Disposal Considerations

For Dimethyl sulfoxide (DMSO) CAS-No. 67-68-5 (Components A, B, and E)

This combustible material may be burned in a chemical incinerator equipped with an afterburner and scrubber. Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging

Dispose of as unused product.

14. Transport Information:

UN Number	N/A
Hazard Class	N/A
Identification Number	N/A
Packing Group	N/A
Proper Shipping Name (DOT)	N/A

Regulatory information						
California Proposition 65:	N/A					
US TSCA (Toxic Substance Control Act):	Component A: Listed Component B: Listed Component C: Not Listed Component D: Not listed Component E: listed					
US CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act:	Component A : Not listed. Component B : Not listed Component C : Not listed Component D : Not listed Component E : Not listed					
US SARA Title III	Component A SARA 302 components: N/A SARA 313 components: N/A SARA 311/312 Hazards: Fire Hazard, Chronic Health Hazard Component B SARA 302 components: N/A SARA 313 components: N/A SARA 311/312 Hazards: Fire Hazard, Chronic Health Hazard Component C SARA 302 components: N/A SARA 313 components: N/A SARA 311/312 Hazards: Acute Health Hazard, Chronic Health Hazard Component D SARA 302 components: N/A SARA 313 components: N/A					
US Clean Air Act:	Component A, B, C, D, E, Listed under Hazardous Air Pollutants: Not listed Listed under Class 1 Ozone Depletors: Not listed Listed under Class 2 Ozone Depletors: Not listed					
US Clean Water Act:	Components A, B, C, D, E, Listed under "Hazardous Substances": Not listed <i>Listed under "Priority Pollutants": Not listed</i> Listed under "Toxic Pollutants": Not listed					

Component A:	Component B:		Component C:		Component D:		Component E:		
Pennsylvania Revision Date 2007-03- 01	Pennsylvania Revision Date 2007- 03-01		N/A		N/A		Pennsylvania Revision Date 2007- 03-01		
New Jersey Revision Date 2007-03- 01	New Jersey Revision Date 20 03-01	007-	N/A		N/A		New Jersey Revision Date 2007- 03-01		
Massachusetts	N/A	A N/A		N/A		N/A		achusetts N/A	
European/Internatio	nal Regulations: Component A	Cor	nponent B	Component C		Component D		Component E	
EC EINICS	200-664-3	200-	-664-3	N/A		N/A		200-664-3	
EC Risk statements	36/37/38	36/37/38		N/A		N/A		36/37/38	
WGK	1	1		N/A		N/A		1	
Canada- DSL/NDSL	Listed	Listed		Not listed		Not listed		Listed	
Canada- WHMIS classification	D2B	D2B		N/A		N/A		D2B	
010100111011		Listed		Not Listed		Not Listed			

16. Other Information

It is not intended for food, drug, and household, agricultural or cosmetic use. A technically qualified individual experienced in handling potentially hazardous chemicals must supervise its use. The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. Users should make independent decisions regarding completeness of the information based on all sources available. AnaSpec shall not be held liable for any damage resulting from handling or from contact with the above product.