

Safety Data Sheet (SDS)

Revision Number: 1.1	Last updated: 6August2013
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1. Identification

Product identifier used on the label and other means of identification:	Name	Catalog Number	Unit Size
	LL17-29	65454-5	5mg
Recommended use/restrictions on use:	For research use only. Not intended for food, drug, household, agricultural or cosmetic use.		
Manufacturer/Distributor:	AnaSpec, Inc. www.anaspec.com 34801 Campus Drive Fremont, CA 94555 Tel: 510-791-9560 Fax: 510-791-9572 Email: service@anaspec.com		
Emergency phone number:	1-800-728-2482		

2. Hazards Identification

GHS Hazard Classification:
 GHS Physical Hazards Non-Hazardous

GHS Health and Environmental Hazards Non-Hazardous

GHS Signal Words: No applicable information is available

GHS Hazard Statements: N/A

GHS Hazard Symbol/Pictogram: N/A

GHS Precautionary Statements: N/A

Description of any hazards not otherwise classified: N/A

Description of any unknown acute toxicity: N/A

HMIS Classification

Health hazard: 0
 Chronic Health Hazard: 0
 Flammability: 0
 Physical hazards: 0

NFPA Rating

Health hazard: 0
 Fire: 0
 Reactivity Hazard: 0

3. Composition / Information on Ingredients*Ingredients/Components:*

<i>Chemical Name and Synonyms:</i>	<i>CAS Number:</i>	<i>Molecular Formula:</i>	<i>Molecular Weight:</i>
LL17-29	N/A	C ₈₀ H ₁₃₅ N ₂₅ O ₁₇	1719.1

4. First Aid Measures

NOTE: Refer to "11. Toxicological Information" for more information on additional symptoms and effects.

<i>Inhalation:</i>	If inhaled, move to fresh air. If not breathing, give artificial respiration.
<i>Ingestion:</i>	If swallowed, wash mouth with water if the person is conscious. Call a physician.
<i>Skin:</i>	In case of skin contact, flush with plenty amount of water at least 15 minutes.
<i>Eyes:</i>	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.

5. Fire Fighting Measures

<i>Extinguishing media:</i>	Water spray, Carbon dioxide, alcohol-resistant foam, dry chemical powder.
<i>b) Unusual fire and explosion hazards (hazardous combustion products):</i>	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
<i>c) PPE for firefighters and special firefighting procedures/techniques:</i>	Emits toxic fumes under fire conditions

6. Accidental Release Measures

NOTE: Use PPE described in "8. Exposure Controls/Personal Protection" when responding to accidental release.

<i>Precautions and spill response/procedure</i>	Evacuate area, avoid breathing vapors, mist or gas
<i>Containment materials</i>	Sweep up and shovel. Do not let product enter drains.

7. Handling and Storage

<i>Provisions for safe handling</i>	User Exposure: Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.
<i>Conditions for safe storage</i>	Storage at -20°C, Keep container tightly closed.

8. Exposure Controls / Personal Protection

<i>Exposure limits</i>	<i>OSHA Permissible Exposure Limit (PEL)</i>	N/A
	<i>ACGIH Threshold Limit Values (TLV)</i>	N/A
<i>Engineering controls</i>	Mechanical exhaust required.	
<i>PPE</i>	Respiratory protection is not required. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). If protection from nuisance levels of dusts is desired, use type N95 (US) or type P1 (EN 143) respirator. Wear appropriate government approved respirator, chemical-	

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	resistant gloves, safety goggles, other protective clothing.
9. Physical and Chemical Properties	
a) Appearance (Physical State, color, etc.)	Off white solid
b) Odor	N/A
c) Order threshold	N/A
d) pH	N/A
e) Initial Boiling Point Boiling Range	N/A
f) Flash Point	N/A
g) Melting Point/Freezing point	N/A
h) Evaporation Rate:	N/A
i) Flammability (solid, gas)	N/A
j) Upper/Lower Flammability or Explosive Limits	N/A
k) Vapor Pressure:	N/A
l) Vapor Density:	N/A
m) Relative Density	N/A
n) Solubility(ies)	N/A
o) Partition Coefficient n-octanol/water	N/A
p) Auto-Ignition Temperature	N/A
q) Decomposition Temperature	N/A
r) Viscosity	N/A
s) Other	N/A
10. Stability and Reactivity	
NOTE: See "5. Fire Fighting Measures" for any "hazardous combustion products".	
a) Reactivity	N/A
b) Chemical stability	N/A
c) Possibilities of hazardous Reactions	N/A
d) Conditions to avoid	N/A
e) Incompatible materials	N/A
f) Hazardous decomposition products	N/A
11. Toxicological Information	
a) Likely routes of exposure	Inhalation, ingestion, skin, and eye
b) Description of the symptoms	Skin contact: May cause skin irritation Skin absorption: may be harmful if absorbed through the skin Inhalation: Material may be irritating to mucous membranes and upper respiratory tract, May be harmful if inhaled Ingestion: May be harmful if swallowed

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c) <i>Effects from short- and long- term exposure</i>	<i>Immediate effects:</i>	N/A
	<i>Delayed effects:</i>	N/A
	<i>Chronic effects:</i>	N/A
d) <i>Toxicity</i>		N/A
e) <i>Carcinogenicity:</i>		N/A

12. Ecological Information

Do not allow product to reach ground water, watercourse, or sewage system.

13. Disposal Considerations

NOTE: Use PPE described in "8. Exposure Controls/Personal Protection" during disposal.
Offer waste to licensed disposal company. Dispose contaminated packaging as unused product.

14. Transport Information

<i>UN Number</i>	This substance is considered to be non-hazardous for transport
<i>Transport hazard Class</i>	N/A
<i>Identification Number</i>	N/A
<i>Packing Group</i>	N/A
<i>Proper Shipping Name (DOT/IATA)</i>	Not dangerous product.

15. Regulatory Information

US TSCA (Toxic Substance Control Act): Yes

US CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act): N/A

US SARA Title III (Superfund Amendments and Reauthorization Act): N/A

US Clean Air Act:

Listed under Hazardous Air Pollutants: N/A

Listed under Class 1 Ozone Depletors: N/A

Listed under Class 2 Ozone Depletors: N/A

US Clean Water Act:

Listed under "Hazardous Substances": N/A

Listed under "Priority Pollutants": N/A

Listed under "Toxic Pollutants": N/A

US States:

RETC Number:

Right-to-Know:

Listed in the following States: N/A

California Proposition 65: See Prop65 list folder. Always use the latest version on the server.

European/International Regulations:

EC EINECS (European Inventory of Existing Commercial Chemical Substances) Number: N/A

WGK (Water Danger / Protection): N/A

Canada – DSL/NDSL: N/A

Canada – WHMIS classification: N/A

Canada – Canadian Ingredient Disclosure List: N/A

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16. Other Information

The above information is believed to be correct but does not purport to be all inclusive. Users of this SDS shall understand it is to be used only as a guide. Users should make independent decisions regarding completeness of the information based on all sources available. Users are granted the right to make unlimited copies of this SDS for internal use only. AnaSpec shall not be held liable for any damage resulting from handling or from contact with the above product. The date of first preparation or last revision is listed at the top of this SDS.

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