



Material Safety Data Sheet (MSDS)

Revision Number: 1.1		Last updated September 2010	
<u>Product and Company Identification</u>			
Product Name:		Calcein	
Catalog Number:		89200	
Unit Size:		100 mg	
Manufacturer/Supplier:		AnaSpec, Inc. 34801 Campus Drive, Fremont, CA 94555 Tel: 510-791-9560 Fax: 510-791-9572 http://www.anaspec.com	
<u>Composition / Information on Ingredients</u>			
Calcein Other Names: Bis [<i>N,N</i> -bis(carboxymethyl)aminomethyl] fluorescein Molecular Formula: C ₃₀ H ₂₆ N ₂ O ₁₃ Molecular Weight: 622.54 CAS Number: 1461-15-0			
<u>Hazards Identification</u>			
Emergency Overview: No known OSHA hazards			
<u>Potential Health Effects</u>			
Inhalation:		If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.	
Ingestion:		If swallowed, wash out mouth with water provided person is conscious. Call a physician.	
Skin:		In case of contact, immediately wash skin with soap and plenty of water.	
Eyes:		In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes.	
Chronic Exposures:		Not determined	
Target Organs:		Not determined	



<u>Fire Fighting Measures</u>	
<i>Extinguishing media:</i>	Water spray, carbon dioxide, dry chemical powder or appropriate foam.
<i>Special firefighting procedures:</i>	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
<i>Unusual fire and explosions hazards:</i>	Emits toxic fumes under fire conditions.
<u>Accidental Release Measures</u>	
Use appropriate protective equipment and methods to clean up spilled substances promptly. Absorb spill onto an appropriate material. Collect and dispose of all waste in accordance with applicable laws.	
<u>Handling and Storage</u>	
Desiccation recommended. Store at -20°C.	
<u>Exposure Controls / Personal Protection</u>	
Wear appropriate gloves, protective clothing and eyewear and follow safe laboratory practices.	
<u>ACGIH/OSHA Permissible Exposure Limit Data:</u>	
Contains no substances with occupational exposure limit values.	
<u>Physical and Chemical Properties</u>	
<i>Form:</i>	Solid
<i>Odor:</i>	Not determined
<i>Solubility in Water:</i>	Low
<i>pH:</i>	Not determined
<i>Boiling Point:</i>	Not determined
<i>Melting Point:</i>	Not determined
<i>Flash Point:</i>	Not determined
<u>Stability and Reactivity</u>	
<i>Stability:</i>	Stable under recommended storage conditions
<i>Materials to Avoid:</i>	Strong oxidizing agents
<i>Dangerous Reactions:</i>	No dangerous reactions identified.
<u>Toxicological Information</u>	
<i>RTECS Number:</i>	None known
<i>Toxicity:</i>	We are not aware of any toxicity data for this product.
<i>Health Hazards:</i>	Not thoroughly investigated.
<i>Potential Hazards:</i>	Skin Contact: May cause skin irritation. Eye Contact: May cause eye irritation. Inhalation: May be harmful if inhaled. Ingestion: May be harmful if swallowed.
<i>Carcinogenicity:</i>	Not listed by NTP, IARC or OSHA.

**Ecological Information**

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

Disposal Considerations

Consult local, state or national regulations for proper disposal.

Transport Information

<i>Hazard Class:</i>	Not determined
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<i>Identification Number:</i>	Not determined
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<i>Packing Group:</i>	Not classified
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<i>Proper Shipping Name (Technical Name):</i>	Not determined
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Regulations

<i>SARA 311/312 Hazard:</i>	No SARA hazard
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<i>Canadian DSL Status:</i>	Listed
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<i>Safety Statement:</i>	22-24/25
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<i>Other Country Regulations:</i>	None identified
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Other Information

It is not intended for food, drug, 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 Inc. shall not be held liable for any damage resulting from handling or from contact with the above product.