

# Material Safety Data Sheet (MSDS)

<i>Revision Number: 1.1</i>	<i>Last updated October 2010</i>
<b><u>Product and Company Identification</u></b>	
<i>Product Name:</i>	<i>Pluronic® F - 127, 20% solution in DMSO</i>
<i>Catalog Number:</i>	84041
<i>Manufacturer/Supplier:</i>	AnaSpec, Inc. 34801 Campus Drive, Fremont, CA 94555 Tel: 510-791-9560 Fax: 510-791-9572
<b><u>Composition / Information on Ingredients</u></b>	
<i>Chemical Name:</i>	<i>CAS Number:</i>
<i>Pluronic® F - 127</i>	9003-11-6
Dimethyl Sulfoxide	67-68-5
<b><u>Hazards Identification</u></b>	
<i>Emergency Overview:</i>	
<b>OSHA Hazards</b>	
CAS# 67-68-5 Combustible Liquid, Target Organ Effect.	
<b>First Aid Measure:</b>	
<i>Inhalation:</i>	If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.
<i>Ingestion:</i>	If swallowed, wash out mouth with water provided person is conscious. Call a physician.
<i>Skin:</i>	In case of contact, immediately wash skin with soap and plenty of water.
<i>Eyes:</i>	In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes.
<b><u>Fire Fighting Measures</u></b>	
<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.
<b><u>Accidental Release Measures</u></b>	
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.	

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<b><u>Handling and Storage</u></b>	
Keep away from light. Store at 2-8. Wear suitable protective clothing. Avoid contact with skin and eyes.	
<b><u>Exposure Controls / Personal Protection</u></b>	
For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).	
<b>Hand protection</b> For prolonged or repeated contact use protective gloves.	
<b>Eye protection</b> Safety glasses with side-shields conforming to EN166	
<b>Hygiene measures</b> General industrial hygiene practice.	
<b><u>ACGIH/OSHA Permissible Exposure Limit Data</u></b> Not determined	
<b><u>Physical and Chemical Properties</u></b>	
<i>Form:</i>	Liquid
<i>Odor:</i>	Not determined
<i>Melting Point:</i>	Not determined
<i>Flash Point:</i>	Not determined
<b><u>Stability and Reactivity</u></b>	
<i>Stability:</i>	Stable under recommended storage conditions
<i>Conditions to Avoid:</i>	Excess heat.
<i>Incompatibilities with Other Materials:</i>	Strong oxidizing agents, strong acids, strong bases.
<b><u>Toxicological Information</u></b>	
<i>Acute Toxicity:</i>	CAS#9003-11-6 LD50 Oral - rat - 9,380 mg/kg LD50 Oral - mouse - 15,000 mg/kg LD50 Dermal - rabbit - 20,000 mg/kg  CAS#67-68-5 LD50 Oral - rat - 14,500 mg/kg LC50 Inhalation - rat - 4 h - 40250 ppm LD50 Dermal - rabbit - > 5,000 mg/kg
<i>RTECS Number:</i>	PV6210000 MD0911050
<i>Health Hazards:</i>	May cause skin irritation. May be harmful if absorbed through skin. May cause eye irritation. Material may be irritating to mucous membranes and upper respiratory tract. May be harmful if inhaled. May be harmful if swallowed.

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**Ecological Information**

Ecotoxicity effects (CAS#67-68-5):

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

**Disposal Considerations**

Consult local, state or national regulations for proper disposal.

**Transport Information**

No data available

**Regulations**

**OSHA Hazards**

CAS#67-68-5: Combustible Liquid, Target Organ Effect

**SARA 311/312 Hazards**

CAS#67-68-5: Fire Hazard, Chronic Health Hazard

**Canada's DSL List**

CAS# 67-68-5 is listed on

**US Federal TSCA**

CAS# 67-68-5 is listed on the TSCA Inventory.

**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 shall not be held liable for any damage resulting from handling or from contact with the above product.*

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