

**SAFETY DATA SHEET**

Date Revised: 5/7/2013

**1. PRODUCT AND COMPANY IDENTIFICATION**

**Product Name:** Pluronic F-127, 10% in sterile H<sub>2</sub>O  
**Catalog Number:** 59005  
**Unit Size:** 30mL  
**Manufacturer/Supplier:** Biotium, Inc.  
46117 Landing Parkway, Fremont, CA 94538, U.S.A.  
Phone: 1-510-265-1027, Fax: 1-510-265-1352  
Web: <http://www.biotium.com>

**2. HAZARDS IDENTIFICATION**

**Classification according to Regulation (EC) No 1272/2008[CLP]**  
Skin irritation (Category 3)  
**Classification according to Directive 1999/45/EC** No information Available  
**Labeling according to Regulation (EC) No 1272/2008[CLP]**  
**Hazard pictogram**

**Signal word** Warning**Hazard statements**

H412 Harmful to aquatic life with long lasting effects.

H226 Flammable Liquid and vapour

H319 Causes eye irritation.

**Precautionary statements** None**HMIS Classification**

Health hazard: 1

Flammability: 0

Physical hazards: 0

**NFPA Rating**

Health hazard: 1

Fire: 0

Reactivity Hazard: 0

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Name	CAS No.	EC No.	Index No.	Weight %	Classification according to 67/548/EEC	Classification according to regulation (EC)No1278/2008
Pluronic F127	9003-11-6	-	-	20%	-	-
Sterile Water	-	-	-	>99%	-	-

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## 4. FIRST-AID MEASURES

### General advice

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

### If inhaled

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

### In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

### In case of eye contact

Flush eyes with water as a precaution.

### If swallowed

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

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## 5. FIREFIGHTING MEASURES

### Suitable extinguishing media

Carbon dioxide, dry chemical extinguishers, foam extinguishers or water.

### Special protective equipment for firefighters

Wear self contained breathing apparatus for firefighting if necessary.

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## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions

Avoid breathing vapors, mist or gas. Remove all sources of ignition.

### Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

### Methods and materials for containment and cleaning up

Contain spillage. Soak up spilled substance with inert absorbent material. Keep in suitable, closed containers for disposal.

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## 7. HANDLING AND STORAGE

### Precautions for safe handling

Avoid inhalation of vapor or mist.

Avoid direct contact with substance.

### Conditions for safe storage

Keep container tightly closed in a dry and well-ventilated place.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Components with workplace control parameters

Substance	Pluronic F-127, 10% in sterile H <sub>2</sub> O
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CAS no. 9003-11-6  
Control parameter No information available

**Personal protective equipment****Hand protection**

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

**Respiratory protection**

Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Eye protection**

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**Hygiene measures**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

Chemical Name	Pluronic F-127, 10% in sterile H <sub>2</sub> O
Appearance	Liquid
Odor	No information available
Odor threshold	No information available
pH	6 to 7
Melting point/freezing point	No information available
Boiling point	No information available
Flash point	No information available
Evaporate rate	No information available
Flammability	No information available
Explosive limits	No information available
Vapor pressure	No information available
Vapor density	No information available
Relative density	No information available
Solubility	No information available
Partition coefficient:n-octanol/water	No information available
Auto-ignition temperature	No information available
Decomposition temperature	No information available
Viscosity	No information available
Explosive properties	No information available
Oxidizing properties	No information available

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**10. STABILITY AND REACTIVITY****Chemical stability**

Stable under recommended storage conditions.

**Possibility of hazardous reactions**

No data available

**Conditions to avoid**

Heat, flames and sparks.

**Materials to avoid**

No data available

**Hazardous decomposition products**

Hazardous decomposition products formed under fire conditions. - Carbon oxides

Other decomposition products - no data available

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## 11. TOXICOLOGICAL INFORMATION

**Pluronic F-127****Acute toxicity****Oral LD50** LD50 Oral - rat - 9,380 mg/kg**Inhalation LC50** None**Dermal LD50** LD50 Dermal - rabbit - 20,000 mg/kg**Other information on acute toxicity** no data available**Skin corrosion/irritation** 500 mg/24H, skin, rabbit, mild**Serious eye damage/eye irritation** 500 mg/24H, eyes, rabbit, mild.**Respiratory or skin sensitization** rabbit - Did not cause sensitization on laboratory animals.**Germ cell mutagenicity** Tests on bacterial or mammalian cell cultures did not show mutagenic effects.**Carcinogenicity**

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**Reproductive toxicity** no data available**Specific target organ toxicity - single exposure (Globally Harmonized System)**

no data available

**Specific target organ toxicity - repeated exposure (Globally Harmonized System)**

no data available

**Aspiration hazard**

no data available

**Potential health effects**

Inhalation May be harmful if inhaled. May cause respiratory tract irritation.

Ingestion May be harmful if swallowed.

Skin May be harmful if absorbed through skin. May cause skin irritation.

Eyes May cause eye irritation.

**Additional Information**

RTECS: MD0911050(Pluronic F127)

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## 12. ECOLOGICAL INFORMATION

<b>Toxicity Pluronic F127</b>	Toxicity to fish	static test LC50 - other fish - > 10,000 mg/l - 96 h
<b>Persistence and degradability</b>		no information available
<b>Biodegradation</b>		no information available
<b>Mobility in soil</b>		no information available
<b>Results of PBT and vPvB assessment</b>		no information available
<b>Other adverse effects</b>		no information available
<b>Additional information</b>		no information available

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### 13. DISPOSAL CONSIDERATIONS

Do not dispose product directly into sewage. Consult local state or national regulation for proper disposal.

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### 14. TRANSPORT INFORMATION

<b>IATA, IMDG, DOT(US)</b>	not dangerous good during transportation
UN number	none
UN proper shipping name	none
Transport hazard class	none
Packing group	none
Environmental hazards	none
Special precaution for user	none

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### 15. REGULATION INFORMATION

#### US Federal Regulations

Us Toxic Substances Control Act(TSCA): Listed  
SARA 302: No chemicals were found.  
SARA 313: No chemicals were found.  
SARA 311/312 Hazards: No chemicals were found.

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### 16. OTHER INFORMATION

Classification according to Regulation (EC) Nr. 1272/2008

Prepared by: Regulatory Department  
Biotium Inc.

Version no. 2

Reason for revision Application of CLP labeling and corresponding requirements

The information provided above is believed to be correct to our best knowledge, but does not purport to be all inclusive, and shall be used only as a guide. This material is sold for research purposes only and is not

required to appear on the TSCA inventory. It is not intended for food, drug, household, agricultural or cosmetic use. Its use must be supervised by a technically qualified individual experienced in handling potentially hazardous chemicals. Biotium shall not be held liable for any damage resulting from handling or contact with the above product.