



Becton, Dickinson and  
Company  
BD, Franklin Lakes, NJ  
07417 USA  
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## SAFETY DATA SHEET

### 1. Identification

#### Product identifier

Product No.:	Product name:	Common name(s), synonym(s)
306546	10 mL BD PosiFlush™ Normal Saline Syringe, in 10 mL syringe	

#### Other means of identification

SDS number: 088100175602

#### Recommended use and restriction on use

**Recommended use:** Reserved for industrial and professional use.

**Restrictions on use:** Not known.

#### Manufacturer/Importer/Supplier/Distributor Information

##### Manufacturer

Company Name: Becton Dickinson  
Address: 1852 10th Ave.  
Columbus, NE 68601 USA  
Telephone: +1-402-563-8782  
Fax:  
Contact Person: Quality lab

**Emergency telephone number:** ChemTrec 1 800 424 9300

### 2. Hazard(s) identification

#### Hazard Classification

Not classified

#### Label Elements

**Hazard Symbol:** No symbol  
**Signal Word:** No signal word.  
**Hazard Statement:** Not applicable  
**Precautionary Statements** Not applicable

**Other hazards which do not result in GHS classification:** None.

### 3. Composition/information on ingredients



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## Mixtures

**Composition Comments:** The components are not hazardous or are below required disclosure limits.

### 4. First-aid measures

**General information:** Get medical attention if symptoms occur.

**Ingestion:** Get medical attention if symptoms occur.

**Inhalation:** Provide fresh air, warmth and rest, preferably in comfortable upright sitting position.

**Skin Contact:** Wash contact areas with soap and water. Remove contaminated clothing. Launder contaminated clothing before reuse.

**Eye contact:** Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses.

#### Most important symptoms/effects, acute and delayed

**Symptoms:** No data available.

#### Indication of immediate medical attention and special treatment needed

**Treatment:** No data available.

### 5. Fire-fighting measures

**General Fire Hazards:** Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Use water spray to keep fire-exposed containers cool.

#### Suitable (and unsuitable) extinguishing media

**Suitable extinguishing media:** Use fire-extinguishing media appropriate for surrounding materials.

**Unsuitable extinguishing media:** None known.

**Specific hazards arising from the chemical:** Fire or high temperatures may cause decomposition.

#### Special protective equipment and precautions for firefighters

**Special fire fighting procedures:** No unusual fire or explosion hazards noted.



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**Special protective equipment  
for fire-fighters:**

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

## 6. Accidental release measures

**Personal precautions,  
protective equipment and  
emergency procedures:**

No special precautionary health measures should be needed under anticipated conditions of use.

**Methods and material for  
containment and cleaning  
up:**

Absorb spillage with suitable absorbent material. Prevent runoff from entering drains, sewers, or streams. See Section 8 of the SDS for Personal Protective Equipment. For waste disposal, see section 13 of the SDS.

**Environmental Precautions:**

Avoid release to the environment.

## 7. Handling and storage

**Precautions for safe handling:**

When using do not eat, drink or smoke. Read and follow manufacturer's recommendations. Use personal protective equipment as required.

**Conditions for safe storage,  
including any  
incompatibilities:**

Store in a cool, dry place. Keep container tightly closed.

## 8. Exposure controls/personal protection

**Control Parameters**

**Occupational Exposure Limits**

None of the components have assigned exposure limits.

**Appropriate Engineering  
Controls**

No special requirements under ordinary conditions of use and with adequate ventilation.

**Individual protection measures, such as personal protective equipment**

**General information:**

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.

**Eye/face protection:**

Wear safety glasses with side shields (or goggles).

**Skin Protection**

**Hand Protection:**

Chemical resistant gloves Suitable gloves can be recommended by the glove supplier. Wash hands after contact.

**Other:**

Wear a lab coat or similar protective clothing.



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**Respiratory Protection:** Respiratory protection not required.

**Hygiene measures:** Observe good industrial hygiene practices.

## 9. Physical and chemical properties

### Appearance

**Physical state:** liquid

**Form:** liquid

**Color:** Colorless

**Odor:** Odorless

**Odor threshold:** No data available.

**pH:** Available upon request.

**Melting point/freezing point:** No data available.

**Initial boiling point and boiling range:** No data available.

**Flash Point:** Not applicable

**Evaporation rate:** No data available.

**Flammability (solid, gas):** No data available.

### Upper/lower limit on flammability or explosive limits

**Flammability limit - upper (%):** No data available.

**Flammability limit - lower (%):** No data available.

**Explosive limit - upper (%):** No data available.

**Explosive limit - lower (%):** No data available.

**Vapor pressure:** 20 hPa

**Vapor density:** No data available.

**Relative density:** No data available.

### Solubility(ies)

**Solubility in water:** Freely Soluble

**Solubility (other):** No data available.

**Partition coefficient (n-octanol/water):** No data available.

**Auto-ignition temperature:** No data available.

**Decomposition temperature:** No data available.

**Viscosity:** No data available.

## 10. Stability and reactivity

**Reactivity:** Stable under normal temperature conditions and recommended use.

**Chemical Stability:** Material is stable under normal conditions.

**Possibility of hazardous reactions:** Not known.





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<b>Conditions to avoid:</b>	Avoid exposure to high temperatures or direct sunlight.
<b>Incompatible Materials:</b>	Metals. Water reactive material.
<b>Hazardous Decomposition Products:</b>	Not known.

## 11. Toxicological information

**General information:** No data on possible toxicity effects have been found.

### Information on likely routes of exposure

<b>Ingestion:</b>	No harmful effects expected in amounts likely to be ingested by accident.
<b>Inhalation:</b>	Limited inhalation hazard at normal work temperatures.
<b>Skin Contact:</b>	Negligible irritation to skin at ambient temperatures.
<b>Eye contact:</b>	Elevated temperatures or mechanical action may form vapors, mists or fumes which may be irritating to the eyes and respiratory tract.

### Symptoms related to the physical, chemical and toxicological characteristics

<b>Ingestion:</b>	No data available.
<b>Inhalation:</b>	No data available.
<b>Skin Contact:</b>	No data available.
<b>Eye contact:</b>	No data available.

### Information on toxicological effects

#### Acute toxicity (list all possible routes of exposure)

<b>Oral Product:</b>	No data available.
<b>Dermal Product:</b>	No data available.
<b>Inhalation Product:</b>	No data available.

<b>Repeated dose toxicity Product:</b>	No data available.
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<b>Skin Corrosion/Irritation Product:</b>	No data available.
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**Serious Eye Damage/Eye Irritation**

**Product:** No data available.

**Respiratory or Skin Sensitization**

**Product:** No data available.

**Carcinogenicity**

**Product:** No data available.

**IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:**

No carcinogenic components identified

**US. National Toxicology Program (NTP) Report on Carcinogens:**

No carcinogenic components identified

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):**

No carcinogenic components identified

**Germ Cell Mutagenicity**

**In vitro**

**Product:** No data available.

**In vivo**

**Product:** No data available.

**Reproductive toxicity**

**Product:** No data available.

**Specific Target Organ Toxicity - Single Exposure**

**Product:** No data available.

**Specific Target Organ Toxicity - Repeated Exposure**

**Product:** No data available.

**Aspiration Hazard**

**Product:** No data available.

**Other effects:** None known.



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## 12. Ecological information

### Ecotoxicity:

#### Acute hazards to the aquatic environment:

##### Fish

**Product:** No negative effects on the aquatic environment are known.

##### Aquatic Invertebrates

**Product:** No negative effects on the aquatic environment are known.

#### Chronic hazards to the aquatic environment:

##### Fish

**Product:** No negative effects on the aquatic environment are known.

##### Aquatic Invertebrates

**Product:** No negative effects on the aquatic environment are known.

##### Toxicity to Aquatic Plants

**Product:** No negative effects on the aquatic environment are known.

### Persistence and Degradability

##### Biodegradation

**Product:** Expected to be readily biodegradable.

##### BOD/COD Ratio

**Product:** No data available.

### Bioaccumulative potential

##### Bioconcentration Factor (BCF)

**Product:** No data available.

##### Partition Coefficient n-octanol / water (log K<sub>ow</sub>)

**Product:** No data available.

**Mobility in soil:** No data available.

#### Known or predicted distribution to environmental compartments

**Other adverse effects:** The product is not expected to be hazardous to the environment.



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### 13. Disposal considerations

<b>General information:</b>	Dispose of waste and residues in accordance with local authority requirements.
<b>Disposal instructions:</b>	No specific disposal method required.
<b>Contaminated Packaging:</b>	No data available.

### 14. Transport information

<b>DOTUN Number:</b>	Not regulated.
<b>UN Proper Shipping Name:</b>	Not regulated.
<b>Transport Hazard Class(es)</b>	
Class:	Not regulated.
Label(s):	Not regulated.
<b>Packing Group:</b>	Not regulated.
<b>Marine Pollutant:</b>	Not regulated.
Limited quantity	Not regulated.
Excepted quantity	Not regulated.
<b>Special precautions for user:</b>	Not regulated.

#### IMDG

<b>UN Number:</b>	Not regulated.
<b>UN Proper Shipping Name:</b>	Not regulated.
<b>Transport Hazard Class(es)</b>	
Class:	Not regulated.
Subsidiary risk:	Not regulated.
EmS No.:	Not regulated.
<b>Packing Group:</b>	Not regulated.
<b>Environmental Hazards</b>	
Marine Pollutant:	Not regulated.
<b>Special precautions for user:</b>	Not regulated.

#### IATA

<b>UN Number:</b>	Not regulated.
<b>Proper Shipping Name:</b>	Not regulated.
<b>Transport Hazard Class(es):</b>	
Class:	Not regulated.
Subsidiary risk:	Not regulated.
<b>Packing Group:</b>	Not regulated.
<b>Environmental Hazards</b>	
Marine pollutant:	Not regulated.
<b>Special precautions for user:</b>	Not regulated.





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## 15. Regulatory information

### US Federal Regulations

#### **TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

None present or none present in regulated quantities.

#### **US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

None present or none present in regulated quantities.

#### **CERCLA Hazardous Substance List (40 CFR 302.4):**

None present or none present in regulated quantities.

### **Superfund Amendments and Reauthorization Act of 1986 (SARA)**

#### **Hazard categories**

Not classified

#### **SARA 302 Extremely Hazardous Substance**

None present or none present in regulated quantities.

#### **SARA 304 Emergency Release Notification**

None present or none present in regulated quantities.

#### **SARA 311/312 Hazardous Chemical**

None present or none present in regulated quantities.

#### **SARA 313 (TRI Reporting)**

None present or none present in regulated quantities.

#### **Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)**

None present or none present in regulated quantities.

#### **Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):**

None present or none present in regulated quantities.

### US State Regulations

#### **US. California Proposition 65**

No ingredient requiring a warning under CA Prop 65.

#### **US. New Jersey Worker and Community Right-to-Know Act**

No ingredient regulated by NJ Right-to-Know Law present.

#### **US. Massachusetts RTK - Substance List**

No ingredient regulated by MA Right-to-Know Law present.

#### **US. Pennsylvania RTK - Hazardous Substances**

No ingredient regulated by PA Right-to-Know Law present.



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**US. Rhode Island RTK**

No ingredient regulated by RI Right-to-Know Law present.

<b>16. Other information, including date of preparation or last revision</b>
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**Issue Date:** 03/29/2019

**Version #:** 1.2

**Revision Information:**

**Further Information:** No data available.

**Disclaimer:** Disclaimer:  
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