

# BD PosiFlush™ Pre-Filled Syringes

At BD, we understand that the health of the planet is linked to the health of people, and reducing our impact on the environment supports our purpose of *advancing the world of health™*.

## Sustainable Manufacturing



1. BD PosiFlush™ Pre-Filled Syringes are manufactured at our manufacturing locations in [Columbus NE \(USA\)](#), [Drogheda \(Ireland\)](#) and [Fraga \(Spain\)](#)
2. To ensure continuous improvement of environmental performance at a facility level, BD is implementing **ISO 14001–certified** environmental management systems at our manufacturing sites around the world. As of 2022, 46 BD sites have ISO 14001–certified environmental management systems including all three of our BD PosiFlush™ manufacturing sites.
3. As part of our programs to reduce greenhouse gas emissions, we have installed **Combined Heat and Power (CHP) units** at our manufacturing sites in Drogheda (Ireland) and Fraga (Spain). These units contribute to the plant's electrical usage

## Waste and Recycling



4. BD PosiFlush™ Pre-Filled Syringes are packaged in **100% recyclable shelf** cartons
5. Utilizing smaller sized (3mL and 5mL) BD PosiFlush™ Pre-Filled Syringes help to **reduce disposal waste**
6. For further information about materials used in our products and packaging and recycling, please refer to Table 2 & Table 3 below

## Projects and Initiatives



7. Tracking multiple projects to optimize supply chain and distribution strategy over the duration of 2018 to 2022 aimed at reducing **10,388,274 kg of CO<sub>2</sub> annually**
8. **Distribution strategy optimization** with the ramp up of product lines in [Fraga \(Spain\)](#) and [Drogheda \(Ireland\)](#) to complement [Columbus NE \(USA\)](#) production
9. Validated the seasonal shipments for selected lanes for specific months of the year by switching from **reefer containers to ambient containers** for transportation. Validated the use of **thermal blankets/insulated liners** with dry containers for selected lanes
10. Created the **direct shipment/factory direct** capability in the USA

For more information about BD's sustainability strategy and to read our latest Sustainability and Climate Change Management reports, please visit:

[www.bd.com/en-us/company/sustainability-at-bd](http://www.bd.com/en-us/company/sustainability-at-bd)



# BD PosiFlush™ Pre-Filled Syringes

## Recyclability guidance for product components and packaging materials

This information is being provided to enable end users to properly dispose of packaging materials consistent with applicable regulatory requirements. All products listed are not available in all regions.

Table 1: BD PosiFlush™ Pre-Filled Syringes product numbers and descriptions

BD product number	Product description
306570	Syringe 3mL saline XS
306571	Syringe 5mL saline XS
306572	Syringe 10mL saline XS
306573	Syringe 3mL saline fill CE
306574	Syringe 5mL saline fill CE
306575	Syringe 10mL saline fill CE
306583	Syringe 3mL saline fill CE EMA/CIS SP
306584	Syringe 5mL saline fill CE EMA/CIS SP
306585	Syringe 10mL saline fill CE EMA/CIS SP
306580	Syringe 3mL PosiFlush™ XS CE EMA
306581	Syringe 5mL PosiFlush™ XS CE EMA
306582	Syringe 10mL PosiFlush™ XS CE EMA

Abbreviation: XS, Externally Sterile, SP, Sterile Path, EMA/CIS, Regional abbreviations for Eastern Europe, Middle East, Africa & Commonwealth of Independent States.

## Section 1: Recyclability of Packaging

The secondary and tertiary portions of product packaging may be recycled where facilities exist and in accordance with applicable regulatory requirements. Some portions of primary packaging may be recyclable, however, facilities may not be available in all areas. Primary packaging must be disposed of in accordance with applicable regulatory requirements. See details in Table 2.

Table 2: Recyclability guidance for packaging components

Catalog number	Packaging material	Packaging recyclability
306570, 306571, 306572, 306580, 306581, 306582	Primary packaging: Two materials - paper and polypropylene	<ul style="list-style-type: none"><li>• Two materials – designed to be peeled apart</li><li>• Paper is recyclable</li><li>• Polypropylene is recyclable in communities with this recycling stream</li></ul>
	Secondary packaging: cardboard	<ul style="list-style-type: none"><li>• Cardboard is recyclable</li></ul>
	Tertiary packaging: corrugated cardboard	<ul style="list-style-type: none"><li>• Corrugated cardboard is recyclable</li></ul>
306573, 306574, 306575, 306583, 306584, 306585	Primary packaging: polypropylene flow rapper	<ul style="list-style-type: none"><li>• Polypropylene is recyclable in communities with this recycling stream</li></ul>
	Secondary packaging: cardboard	<ul style="list-style-type: none"><li>• Cardboard is recyclable</li></ul>
	Tertiary packaging: corrugated cardboard	<ul style="list-style-type: none"><li>• Corrugated cardboard is recyclable</li></ul>

## Section 2: Recycled Content in Secondary and Tertiary Packaging

The secondary and tertiary portions of product packaging utilize recycled content. Please find further information about the percentage recycled content in the following Table 3.

Table 3: Percentage recycled content in packaging components

BD product number	Secondary packaging recycled content (shelf box)	Tertiary packaging recycled content (case carton)
306571, 306572, 306575, 306580, 306581, 306582, 306585	100%	100%
306570, 306573, 306574, 306583, 306584	100%	>46%

**If you would like information regarding products that are not listed above, please contact your sales representative or BD customer service.**



Resources regarding the recycling of healthcare plastics are available from the Healthcare Plastics Recycling Council.



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