

## BDL Product Waste Incineration

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**BD Falcon** Products are normally disposed of by incineration. This often prompts concern amongst hospital staff and incinerator operators as to what the by-products and results of burning our products will be. The following is a list of the product components and the probable incineration chemicals that will be produced when they are incinerated properly, in the presence of oxygen (air), and according to the requirements of the Incineration Directive.

- **Tissue Culture Flasks, Dishes, Pipetes, Tubes, etc.:** Polystyrene - burns to CO<sub>2</sub> and water.
- **Centrifuge Tubes, Vials, etc.:** The barrel is manufactured from Polypropylene which burns to CO<sub>2</sub> and water.
- **Tissue Culture Flask and Centrifuge Tube Caps:** Polyethylene burns to CO<sub>2</sub> and water.
- **Cap Colorant:** Low Density Polyethylene base in a 4% ratio. It is free of heavy metals and is FDA food approved.
- **Packaging Bags:** Polyethylene with non-heavy metal colouring turning to CO<sub>2</sub> and water with Titanium Dioxide and other metal oxide gases.
- **Packaging Boxes:** Paper based with non heavy metal glues and inks.
  
- **MSDS (Material Safety Data Sheets)**, are not required for BD Falcon products in the United States and Europe according to:
  - U.S.A.** OSHA Regulation (Standard 29CFR) titled: "Hazard Communication 1910.200 section b6V and C" Articles.
  - Europe** EU Directive 92/32/EEC, articles 2.2 and 27. The BD Falcon range of products are normally disposed by proper incineration and should follow the requirements of the Council Directive 94/67/EC of 16 of December 1994 on the incineration of hazardous waste.

BD Falcon Bench Top Filters (cat. nos. 357102 and 357103), Bottle Top Filters (cat. nos. 357104, 357105, 357109 and 35711) are the only products that have the following warning label: "This product contains dry natural rubber". This warning label is printed in the shipping containers, folding cartons and unit bags.

**References:** UPDATE, Issue 5: September 19, 1997. "Product Incineration Waste" by David Purnell.  
MEMO to BDL Files, November 9, 1999. "MSDS Exemption for Europe by Juan Santana.