

Information on decabromodiphenyl ether (DeBDE) waste from Japan

1. Pollutant generated during manufacture and use

- It has been reported¹ that commercial DeBDE was first imported to Japan in 1977. DeBDE is currently still being used.
- According to notification required by Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc., the total amount of DeBDE manufactured and imported was less than 1000 tons in 2013. Although data for 2014 is unavailable, it has been confirmed that DeBDE was still being manufactured and imported in 2014.
- According to notification required by PRTR law, about 100 tons of DeBDE which was generated in the manufacturing process of DeBDE using products was moved out of facilities as contaminant in forms of liquid waste, and the majority was incinerated.

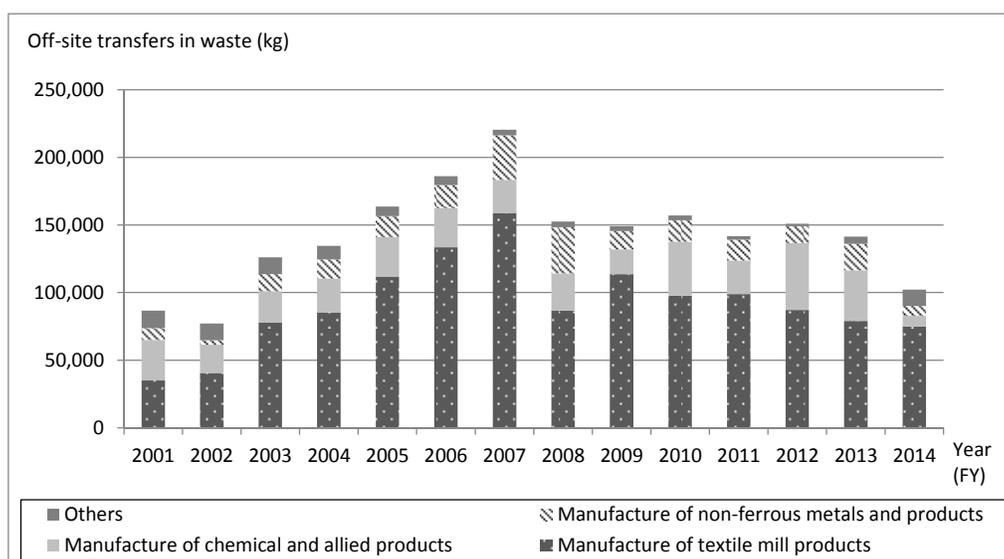


Figure 1 Trend of amount transferred as waste based on PRTR data

(Source) Prepared using information obtained from PRTR notification

2. Products discarded from the stock

- In Japan, DeBDE is widely used for electrical and electronic appliances, textile products, transport equipment, construction material, etc.
- Although DeBDE is no longer used in all of the products listed above, the disposal of products using DeBDE is expected to continue for a while.
- Parts of products using DeBDE are incinerated while other parts are being used for material recycling within the framework of laws relating to recycling, or ultimately end up in a landfill.

¹ NEDO Technology Development Organization, AIST Research center for chemical risk management, Risk Assessment document series 23 Decabromodiphenylether, 2008