

Packaging Industry

Introduction

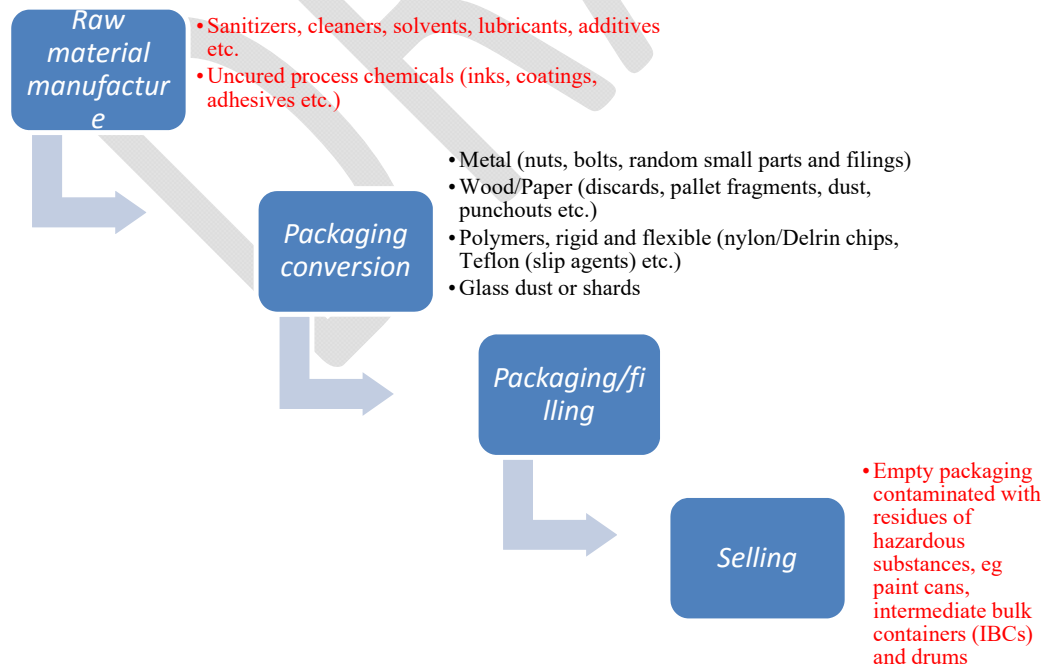
Packaging is a process adopted within many industries. Production of packaging materials is an industrial establishment and is classified according to 5243/2001. The classification of these industries depend on the types of materials produced. Various emissions can result from this industrial activity as described below. This factsheet intends on identifying the main resulting pollutants and specifically develops the ways for treatment of hazardous waste ones.

Process description

The following stages show the main steps of the production of packaging materials:

1. *Raw material manufacture*: Produce raw materials for packaging manufacture.
2. *Packaging conversion*: Convert raw materials into packaging.
3. *Packaging/filling*: Put goods into packaging or put packaging around goods.
4. *Selling*: Supply packaging to the end user (includes raw materials that will become packaging, for example, plastic pellets used to make bottles).

After usage of the packaging, residues of the product remain at the packaging. If the residues are hazardous, the packaging waste is classed as a hazardous waste.



References: UNIDO, MSCIPP, ERM studies. Typical example only.

The content of this draft Fact Sheet has been compiled to the best of our knowledge. The fact sheet will be continuously updated based on consultation with concerned industries or relevant stakeholders.

Packaging Industries Waste Description and Management Overview

Description of waste	Waste Code (EWC)	Waste Classification (Dangerous Goods Classification)	Basel Class.	Storage	Transport (UN-Code)	Treatment	HS-Code
Packaging containing residues of or contaminated by dangerous substances	150110*	9	A4130	various	3509	D10	TBD
inorganic chemicals consisting of or containing dangerous substances	160507*	various	A4140	various	various	D10	2846
Other organic solvent, washing liquids and other mother liquors	070104*	3	A3140	3	1993	R1	3814

European Waste Code (EWC) 150110*: Packaging containing residues of or contaminated by dangerous substances

European Waste Code (EWC) 070104*: Other organic solvent, washing liquids and other mother liquors

European Waste Code (EWC) 160507*: Discarded inorganic chemicals consisting of or containing dangerous substances

Waste Classification (Dangerous Goods Classification) 9: Miscellaneous Dangerous GoodsWaste Classification (Dangerous Goods Classification) 3: Flammable Liquids

Basel Classification A4130: Waste packages and containers
 Basel Classification A3140: Waste non-halogenated organic solvents
 Basel Classification A4140: Waste consisting of hazardous chemicals

Transport Code (UN) 3509: Packaging, discarded, empty, uncleaned

D10: Disposal on land (for example: incineration in a licensed rotary kiln with >1,050C)
 R1: Use as a fuel.

Disposal Facilities**MEAB Schöneiche – Märkische Entsorgungsanlagen Betriebsgesellschaft mbH**

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