

# Environmental Product Declaration

## 1. DESCRIPTION OF THE COMPANY AND PRODUCT

### The Company

Clip-Lok SimPak Scandinavia Ltd.

Solvang 25

3450 Allerød

Denmark

Telephone: +45 48 14 37 78

Fax: +45 48 14 34 83

Contact person: Anders Lassen

The company is a part of Clip-Lok International - a worldwide concern.

### 1.2 The Product

The Clip-Lok SimPak™ case is a collapsible and reusable transportation container constructed of plywood with steel reinforcements.

The cases are customised to suit the cargo being transported, and therefore come in a wide variety of sizes and models.



A collapsed container on top of one assembled

## 2. ENVIRONMENTAL PERFORMANCE

### 2.1 Manufacture (from cradle to gate)

	Normalised effect potentials <sup>1</sup> (mPE)
<b>2.1.1 Resource use</b>	
Non-renewable resources	Iron 0,31 ; Aluminium 0,01 ; Zinc 0,05 ; Coal 0,08 Fossil gases 0,29 ; Oil 0,58
Renewable resources	Wood 25,68
<b>2.1.2 Pollutant emissions</b>	
Greenhouse gases (CO <sub>2</sub> )	0,34
Ozone-depleting gases (CFC)	0,18
Acidifying gases (SO <sub>2</sub> )	0,24
Nitrogen deposition to soils (NO <sub>2</sub> )	0,11
<b>2.1.3 Waste</b>	
Hazardous waste	3,36
Volume waste	0,33
Radioactive waste	0,42

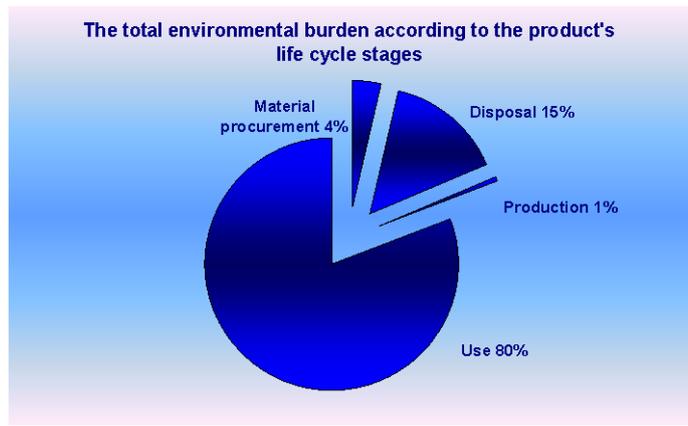
<sup>1</sup> Normalised effect potentials = Fractions of the environmental impact from an average person. The unit used is per million person equivalents.

### 3. INFORMATION

#### 3.1 Usage and disposal

The most significant environmental impact in the life cycle of a Clip-Lok SimPak™ case occurs during the use phase of the container (80%). The second most significant environmental impact occurs during the final disposal of the container.

The raw materials procurement and manufacturing phases account for only 5% of the product's total environmental impact, and therefore constitute a minor contribution to the product's total environmental burden



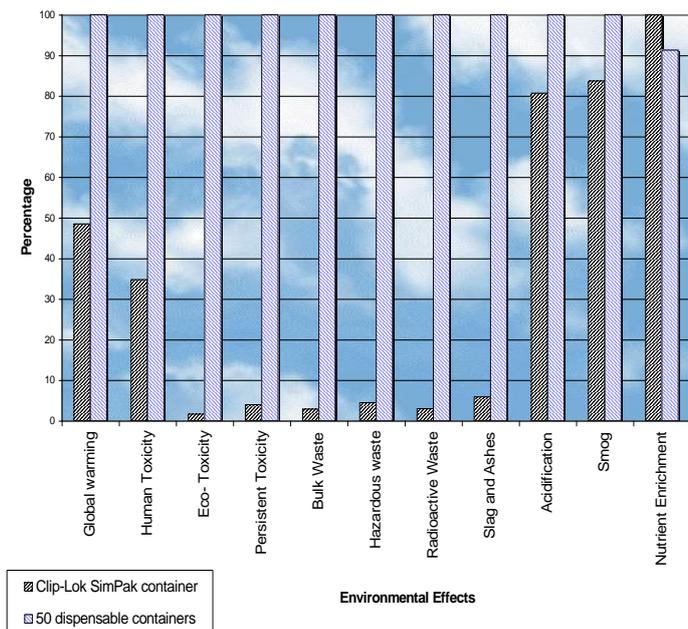
#### 3.2 Recycling

Due to its unique design, which makes recycling easy and cheap, the Clip-Lok SimPak™ case is particularly superior to one way packaging when the product reaches its end-of-life phase.

#### 3.3 Comparison

The lifetime of a Clip-Lok SimPak™ case is at least 50 times longer than comparable one way packaging<sup>2</sup>.

The Clip-Lok SimPak™ case scores better than comparable one way packaging on all environmental effects except one, in an independent comparison of the total environmental burden across the products' life cycle.



#### 3.4 Verification

The analysis of the total environmental burden from a Clip-Lok SimPak™ case has been monitored by an independent body<sup>3</sup>, as a part of Clip-Lok SimPak's environmental strategy.

This environmental declaration is based on a Life Cycle Assessment (LCA) of a Clip-Lok SimPak™ case, in accordance with ISO 14040 Life Cycle Assessment Principles and Framework. The LCA was developed using the Danish EDIP (Environmental Design of Industrial Products) cradle-to-grave method.

<sup>2</sup> It is assumed that one Clip-Lok SimPak™ case delivers the same services as 50 units of one way packaging

<sup>3</sup> Reviewed by RAMBØLL, Denmark.