



NSAI
Standards

Irish Standard Recommendation
S.R. CEN/TR 16957:2016

Bio-based products - Guidelines for Life Cycle Inventory (LCI) for the End-of-life phase

S.R. CEN/TR 16957:2016

Incorporating amendments/corrigenda/National Annexes issued since publication:

The National Standards Authority of Ireland (NSAI) produces the following categories of formal documents:

I.S. xxx: Irish Standard — national specification based on the consensus of an expert panel and subject to public consultation.

S.R. xxx: Standard Recommendation — recommendation based on the consensus of an expert panel and subject to public consultation.

SWiFT xxx: A rapidly developed recommendatory document based on the consensus of the participants of an NSAI workshop.

This document replaces/revises/consolidates the NSAI adoption of the document(s) indicated on the CEN/CENELEC cover/Foreword and the following National document(s):

NOTE: The date of any NSAI previous adoption may not match the date of its original CEN/CENELEC document.

This document is based on:

CEN/TR 16957:2016

Published:

2016-09-07

This document was published under the authority of the NSAI and comes into effect on:

2016-09-25

ICS number:

13.020.60

NOTE: If blank see CEN/CENELEC cover page

NSAI
1 Swift Square,
Northwood, Santry
Dublin 9

T +353 1 807 3800
F +353 1 807 3838
E standards@nsai.ie
W NSAI.ie

Sales:
T +353 1 857 6730
F +353 1 857 6729
W standards.ie

Údarás um Chaighdeáin Náisiúnta na hÉireann

National Foreword

S.R. CEN/TR 16957:2016 is the adopted Irish version of the European Document CEN/TR 16957:2016, Bio-based products - Guidelines for Life Cycle Inventory (LCI) for the End-of-life phase

This document does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

Compliance with this document does not of itself confer immunity from legal obligations.

In line with international standards practice the decimal point is shown as a comma (,) throughout this document.

This page is intentionally left blank

TECHNICAL REPORT

CEN/TR 16957

RAPPORT TECHNIQUE

TECHNISCHER BERICHT

September 2016

ICS 13.020.60

English Version

Bio-based products - Guidelines for Life Cycle Inventory (LCI) for the End-of-life phase

Produits biosourcés - Lignes directrices relatives à
l'inventaire du cycle de vie (ICV) pour la phase de fin
de vie

Biobasierte Produkte - Leitlinien für die
Sachbilanzierung von Produkten in der
Nachnutzungsphase

This Technical Report was approved by CEN on 22 May 2016. It has been drawn up by the Technical Committee CEN/TC 411.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

Contents

Page

European foreword.....	3
Introduction	4
1 Scope	5
2 Normative references	5
3 Terms and definitions	6
4 Modelling end-of-life options for bio-based products	6
4.1 General.....	6
4.2 Documentation requirements.....	8
4.3 Reuse and/or preparation for reuse.....	8
4.4 Recycling	9
4.4.1 Mechanical recycling.....	9
4.4.2 Organic recycling.....	10
4.5 Recovery	13
4.5.1 Chemical recovery	13
4.5.2 Energy recovery.....	14
4.6 Incineration.....	14
4.6.1 General.....	14
4.6.2 Parameters specific for bio-based waste.....	15
4.6.3 Parameters specific for incineration models.....	15
4.6.4 Documentation requirements.....	16
4.7 Landfill	16
4.7.1 General.....	16
4.7.2 Parameters specific for bio-based waste.....	16
4.7.3 Parameters specific for landfill model	16
4.7.4 Documentation requirements.....	19
4.8 Wastewater treatment (WWT)	19
4.8.1 Wastewater aerobic treatment.....	19
4.8.2 Parameters specific for aerobic WWT models	20
4.8.3 Product specific parameters	20
4.8.4 Anaerobic primary sludge treatment.....	20
4.9 Release of bio-based products in nature	21
Annex A (informative) Examples of pathways.....	22
Bibliography	24

This is a free preview. Purchase the entire publication at the link below:

[Product Page](#)

-
- [Looking for additional Standards? Visit Intertek Inform Infostore](#)
 - [Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation](#)
-