

# Circular Economy Ontology Network (CEON) - Product Module

## Metadata

### IRI

<http://w3id.org/CEON/ontology/product/>

### Title

Circular Economy Ontology Network (CEON) - Product Module

### Creator

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### Date Created

2023-03-16

### License

<https://github.com/LiUSemWeb/CEON/blob/master/LICENSE>

### Version Iri

<http://w3id.org/CEON/ontology/product/0.1/>

### Version Info

0.1

### Preferred Namespace Prefix

product

### Preferred Namespace Uri

<http://w3id.org/CEON/ontology/product/>

### Description

The Product module of CEON (Circular Economy Ontology Network).

### Covers Requirements

In addition to requirements covered by imported ODPs, covers the following requirements from Onto-DESIDE D3.1: CVN-Resource-2, CVN-ResrouceType-4, C11-2, C12-1, C13-3, E2-1, T8-3.

## Classes

## Product<sup>C</sup>

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**IRI** <http://w3id.org/CEON/ontology/product/Product>

**Description**

A product is a physical object put into a market for sale. The product can be a thing that grows naturally or produced through some chemical or manufacturing processes.

**Sub Class Of**

[resourceODP:PhysicalObject<sup>C</sup>](#)  
[hasProductComponent<sup>OP</sup>](#) only [ProductComponent<sup>C</sup>](#) and [hasProductComponent<sup>OP</sup>](#)  
some [ProductComponent<sup>C</sup>](#)

**In Domain Of**

[hasProductComponent<sup>OP</sup>](#)

## ProductComponent<sup>C</sup>

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**IRI** <http://w3id.org/CEON/ontology/product/ProductComponent>

**Description**

A product component is a part of a product.

**Sub Class Of**

[resourceODP:Constituent<sup>C</sup>](#)

**In Range Of**

[hasProductComponent<sup>OP</sup>](#)

## Constituent<sup>C</sup>

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**IRI** <http://w3id.org/CEON/ontology/resourceODP/Constituent>

**Super Class Of**

[ProductComponent<sup>C</sup>](#)

## Matter<sup>C</sup>

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**IRI** <http://w3id.org/CEON/ontology/resourceODP/Matter>

## Physical Object<sup>C</sup>

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**IRI** <http://w3id.org/CEON/ontology/resourceODP/PhysicalObject>

**Super Class Of**

[Product<sup>C</sup>](#)

## Resource<sup>c</sup>

**IRI** <http://w3id.org/CEON/ontology/resourceODP/Resource>

## Object Properties

### hasProductComponent<sup>op</sup>

**IRI** <http://w3id.org/CEON/ontology/product/hasProductComponent>

**Description** hasProductComponent intends to represent that a product can have a collection of components.

**Domain** [Product<sup>c</sup>](#)

**Range** [ProductComponent<sup>c</sup>](#)

## Annotation Properties

### contributor<sup>ap</sup>

**IRI** <http://purl.org/dc/terms/contributor>

### created<sup>ap</sup>

**IRI** <http://purl.org/dc/terms/created>

### creator<sup>ap</sup>

**IRI** <http://purl.org/dc/terms/creator>

### description<sup>ap</sup>

**IRI** <http://purl.org/dc/terms/description>

### license<sup>ap</sup>

**IRI** <http://purl.org/dc/terms/license>

title<sup>ap</sup>

IRI <http://purl.org/dc/terms/title>

preferred namespace prefix<sup>ap</sup>

IRI <http://purl.org/vocab/vann/preferredNamespacePrefix>

preferred namespace uri<sup>ap</sup>

IRI <http://purl.org/vocab/vann/preferredNamespaceUri>

covers requirements<sup>ap</sup>

IRI <http://www.ontologydesignpatterns.org/schemas/cpannotationschema.owl#coversRequirements>

## Namespaces

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<http://w3id.org/CEON/ontology/product/>

**dcterms**

<http://purl.org/dc/terms/>

**odp**

<http://www.ontologydesignpatterns.org/schemas/cpannotationschema.owl#>

**owl**

<http://www.w3.org/2002/07/owl#>

**prov**

<http://www.w3.org/ns/prov#>

**rdf**

<http://www.w3.org/1999/02/22-rdf-syntax-ns#>

**rdfs**

<http://www.w3.org/2000/01/rdf-schema#>

**resourceODP**

<http://w3id.org/CEON/ontology/resourceODP/>

**vann**

<http://purl.org/vocab/vann/>

## Legend

c

Classes

op

Object Properties

