

Circular Economy Ontology Network (CEON) - Product Module

Metadata

IRI

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

Title

Circular Economy Ontology Network (CEON) - Product Module

Creator

Huanyu Li

Contributor

Eva Blomqvist

Mikael Lindecrantz

Robin Keskisärkkä

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-ResourceType-4, C11-2, C12-1, C13-3, E2-1, T8-3.

Classes

Product^C

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^C](#)
[hasProductComponent^{op}](#) some [ProductComponent^C](#) and [hasProductComponent^{op}](#)
only [ProductComponent^C](#)

In Domain Of

[hasProductComponent^{op}](#)

ProductComponent^C

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

Description

A product component is a part of a product.

Sub Class Of

[resourceODP:Constituent^C](#)

In Range Of

[hasProductComponent^{op}](#)

Constituent^C

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

Super Class Of

[ProductComponent^C](#)

Matter^C

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

Physical Object^C

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

Super Class Of

[Product^C](#)

Resource^c

IRI	http://w3id.org/CEON/ontology/resourceODP/Resource
-----	---

Object Properties

hasProductComponent^{op}

IRI	http://w3id.org/CEON/ontology/product/hasProductComponent
-----	---

<u>Description</u>	hasProductComponent intends to represent that a product can have a collection of components.
--------------------	--

<u>Domain</u>	Product^c
---------------	-------------------------------------

<u>Range</u>	ProductComponent^c
--------------	--

Annotation Properties

contributor^{ap}

IRI	http://purl.org/dc/terms/contributor
-----	---

created^{ap}

IRI	http://purl.org/dc/terms/created
-----	---

creator^{ap}

IRI	http://purl.org/dc/terms/creator
-----	---

description^{ap}

IRI	http://purl.org/dc/terms/description
-----	---

license^{ap}

IRI	http://purl.org/dc/terms/license
-----	---

title ^{ap}	
IRI	http://purl.org/dc/terms/title
preferred namespace prefix ^{ap}	
IRI	http://purl.org/vocab/vann/preferredNamespacePrefix
preferred namespace uri ^{ap}	
IRI	http://purl.org/vocab/vann/preferredNamespaceUri
covers requirements ^{ap}	
IRI	http://www.ontologydesignpatterns.org/schemas/cpannotationschema.owl#coversRequirements

Namespaces

:

<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

