

Circular Economy Ontology Network (CEON) - Product Module

Metadata

IRI

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

Title

Circular Economy Ontology Network
(CEON) - Product Module

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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
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Object Properties

hasProductComponent^{op}

IRI	http://w3id.org/CEON/ontology/product/hasProductComponent
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<u>Description</u>	hasProductComponent intends to represent that a product can have a collection of components.
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<u>Domain</u>	Product^c
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<u>Range</u>	ProductComponent^c
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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/CE0N/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/CE0N/ontology/resourceODP/>

vann

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

Legend

c	Classes
op	Object Properties
ap	Annotation Properties