Guide

Semantic Query Pattern (SQP) Search for NIMBLE Platform

SEARCH A PRODUCT

1. Search for a Product (**Varnish**) in the Search bar. Default language of search is English. No selection for language is currently available except for English.

2. Upon clicking the Search button or by simply pressing ENTER all available products for **Varnish** will be displayed as follows (click on the **Show Options** button to see all available results). Click on the *last* **varnish** button.

3. In order to search for data-properties of the product click on **hasProperty** button which will open the panel **Property Panel.** A search bar will appear where a user types the property. <u>Note</u>: Auto completion is available hence clicking on a suggested option and pressing ENTER Key is a preferred way.

4. User chooses *Name.* In order to offer available values of the Name of the Varnish; the user proceeds to click the **hasValue** button which will open the **Values Panel** and present all available options of the product under consideration.

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Your Semantic Query

"Varnish <hasProperty> Name <hasValue> "   Search Query

You are currently at:Varnish

Property Panel
Values Panel
Waterbased clear varnish
Reference Panel

hasProperty	hasValue	hasReference

Upon clicking the desired value, this creates a semantic query

Varnish<hasProperty> Name<hasValue> waterbased clear varnish

5. If the User clicks on **SearchQuery** Button: all possible product queries are displayed below.

Your Semantic Query

"Varnish <hasProperty> Name <hasValue> Waterbased clear varnish"   Search Query

You are currently at:Varnish

Property Panel
Values Panel
Reference Panel

hasProperty	hasValue	hasReference

Name	
Waterbased clear varnish	More

The query can be extended by providing more than one data properties by following Steps 1 - 4 with for instance ***dryingTime and value of 20***

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Semantic Query Pattern (SQP) Search for NIMBLE Platform

Your Semantic Query

"Varnish <hasProperty> Name <hasValue> Waterbased clear varnish <hasProperty> dryingTime <hasValue> 20"   Search Query

You are currently at:Varnish

Property Panel

Values Panel

Reference Panel

hasProperty	hasValue	hasReference

Name	dryingTime	
Waterbased clear varnish	20	More

NOTE: Current Data structure from Marmotta is not adapted to provide results when one clicks on the **hasReference** button.

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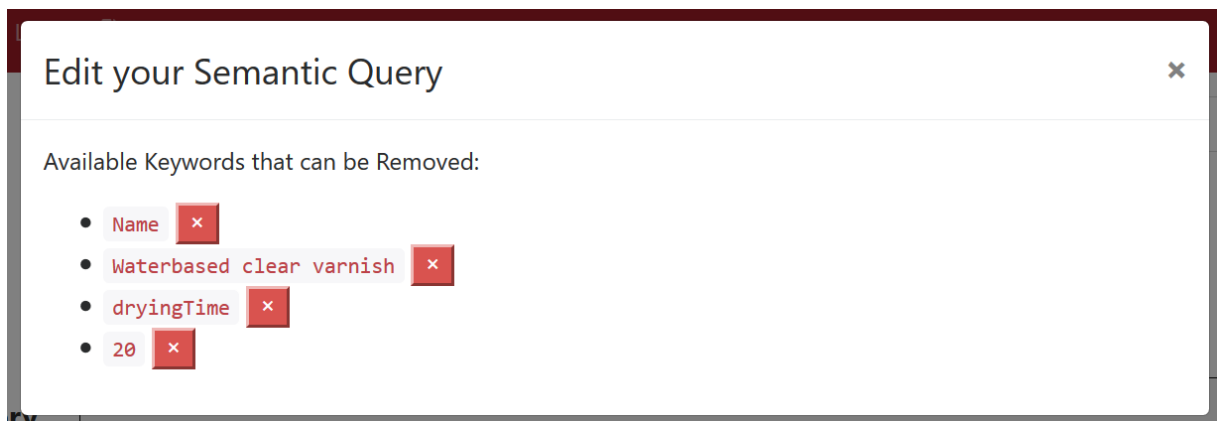Semantic Query Pattern (SQP) Search for NIMBLE Platform

Editing your created Query

You could edit your created Semantic Query by just clicking on it. (By clicking on the red sentence itself)
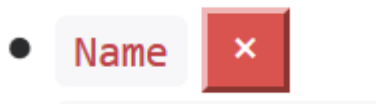
Your Semantic Query

"Varnish <hasProperty> Name <hasValue> Waterbased clear varnish <hasProperty> dryingTime <hasValue> 20"   Search Query

Upon clicking it, you can choose which property or filter can your remove. When a product has more number of **hasValue (filter)** properties then you can actually remove the filter by clicking on the cancel button. In present case, each property has a fixed value and only hence, the complete property can be removed by clicking on the cancel button next to it.

Edit your Semantic Query ✕

Available Keywords that can be Removed:

- Name ✕
- Waterbased clear varnish ✕
- dryingTime ✕
- 20 ✕

For Example, if a user wishes to remove the *Name* property from the already created Query, click on the following

- Name ✕

This will change your created Query

"Varnish <hasProperty> dryingTime <hasValue> 20"   Search Query

Upon clicking the **Search Query** Button again, you obtain a result with only **dryingTime**

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Semantic Query Pattern (SQP) Search for NIMBLE Platform

Semantic Query	Graph Navigation

Your Semantic Query

`"Varnish <hasProperty> dryingTime <hasValue> 20"`   Search Query

You are currently at:Varnish

Property Panel
Values Panel
Reference Panel

hasProperty	hasValue	hasReference

dryingTime	
20	More

For a detailed overview click on the **more** button.

Semantic Query	Graph Navigation

Property	Value
ManufacturerParty	SRDC
ManufacturersItemIdentification	varnish1-provarnish
Name	Waterbased clear varnish
hasComposition	Waterbased
surfaceCharacteristic	drawable with marker
isFireproof	Touch dry in 30 minutes, for interior use
Description	db46244e-8e43-48a6-b523-51b4da3a82f2
CatalogueDocumentReference	15
hasViscosity	20
dryingTime	20
hasWeightInGM2	

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