Product Type 8.7.0 - 9.0.x

24/10/2025 2:20 pm BST

Product
Tags: API

Versions

Versions this documentation is relevant for:

- *8.7.0 - 9.0.x: This document*
- *9.1.0+*

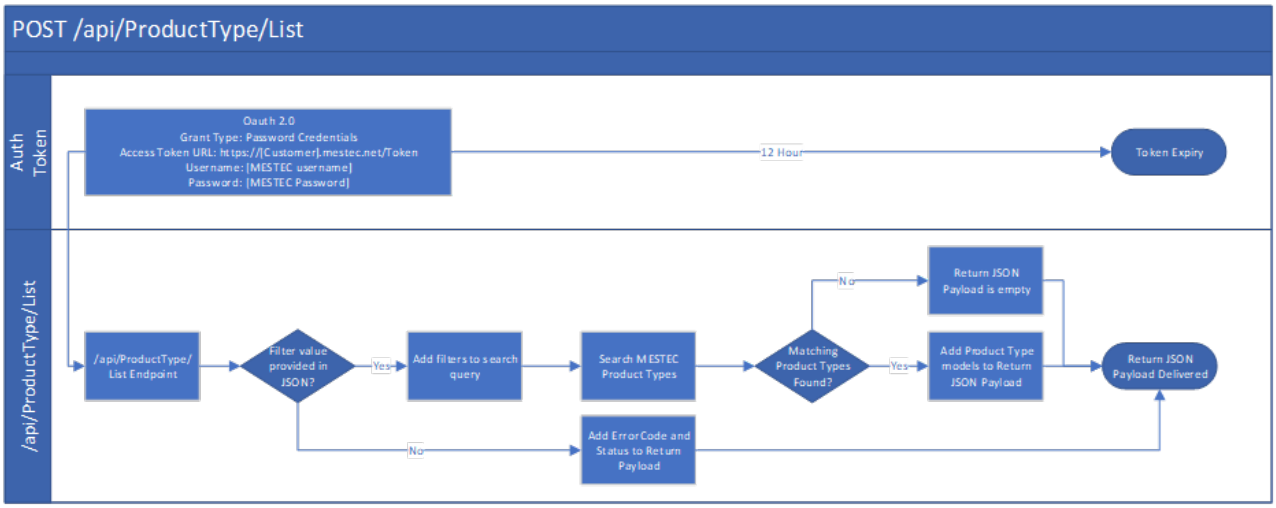
Product Types are used to group products for quality purposes.

List

The Product Type – List API call reads existing Product Types from Eyelit MES-M. The data can be filtered based on the parameters passed in the body/payload of the JSON packet giving the flexibility to search for one or multiple Product Types.

Using the Product Type – List API call has no impact on the data within the given Eyelit MES-M application, it is read-only.

Figure 1 - Logic within ProductType-List API Call



Data Prerequisites

There is no data required in Eyelit MES-M to act as a pre-requisite to make the API call to list Product Types. If parameters are passed in through the body that return no valid results, an empty payload will be returned.

Request

Table 1 shows the method and endpoint required to make the API call to list Product Types.

Table 1 - Outbound Message Detail for Product Type - List

Method	URL Structure	Endpoint
POST	https://[environment].mestec.net	/api/ProductType/List

The body of the payload should follow the format below.

JSON Structure for Product Type List

```
{
  "id": 0,
  "name": "string",
  "description": "string"
}
```

See Table 2 for information on which fields are optional, the appropriate data types and the mappings to fields in Eyelit MES-M.

Table 2 - Parameter Information for Product Type - List 1

Parameter Name	Data Mapping	Data Type	Mandatory	Case Sensitive	Match Type
ID	producttype.id	NUMBER	No	N/A	Exact
Name	producttype.name	VARCHAR2(250 BYTE)	No	No	Exact

Note: For any fields where the match type is 'Like', a percent symbol should be used as a wildcard character to indicate a number of characters within the given string.

Sample Request

See below for sample use cases with examples of the JSON payload format required.

To list Product Types where the name is 'Controlled':

Figure 3 - JSON Sample for Product Type List Request B

```
{
  "name": "Controlled"
}
```

Response

When using the Product Type – List API call, if any data has been found in Eyelit MES-M that meets the parameter values passed in the original payload, a JSON payload will be returned containing data in the following structure:

JSON Structure for Product Type List

```
[
  {
    "id": 0,
    "name": "string",
    "description": "string"
  }
]
```

Sample Response

See below for sample use cases with examples of the JSON payload format returned.

No results were found that matched given parameters:

JSON Sample for Product Type List Response A

```
{

}
```

Multiple Product Types were found that matched given parameters:

JSON Sample for Product Type List Response B

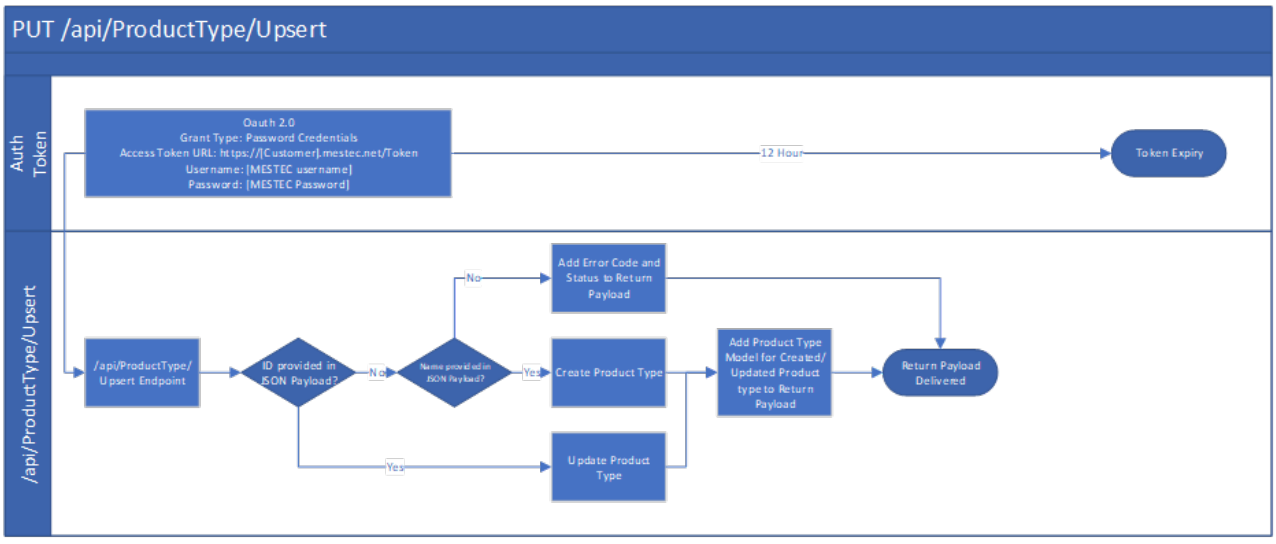
```
[
  {
    "id": 10,
    "name": "Controlled",
    "description": "Controlled Liquids"
  }
]
```

Upsert

When Product Type ID is provided, The Product Type – Upsert API call checks if a Product Type with the given ID already exists. If it does, appropriate fields are updated in the matching product in Eyelit MES-M.

When the Product Type ID is omitted, a new Product Type will be created.

Figure 2- Logic within ProductType/Upsert API Call



Data Prerequisites

There is no data required in Eyelit MES-M to act as a pre-requisite to make the API call to upsert Product Types. If parameters are passed in through the body that return no valid results a new Product Type will be created, otherwise the Product Type identified will be updated.

Request

Table 3 shows the method and endpoint required to make the API call to list Product Types.

Table 3 - Outbound Message Detail for Product Type - Upsert

Method	URL Structure	Endpoint
PUT	https://[environment].mestec.net	/api/ProductType/Upsert

The body of the payload should follow the format below.

```
{
  "id": 0,
  "name": "string",
  "description": "string"
}
```

See Table 4 for information on which fields are optional, the appropriate data types and the mappings to fields in Eyelit MES-M.

Table 4 - Parameter Information for Product Group - Upsert

Parameter Name	Data Mapping	Data Type	Mandatory		Case Sensitive	Match Type
			Create	Update		
ID	producttype.id	NUMBER	N/A	Yes	N/A	Exact
Name	producttype.name	VARCHAR2(250 BYTE)	Yes	No	N/A	N/A
Description	producttype.description	VARCHAR2(2000 BYTE)	No	No	N/A	N/A

Note: For any fields where the match type is 'Like ', a percent symbol should be used as a wildcard character to indicate a number of characters within the given string.

Sample Request

See below for sample use cases with examples of the JSON payload format required.

To create a Product Type.

```
{
  "name": "Controlled Sub Class A",
  "description": "Products that are controlled within sub class A"
}
```

To update name and description by ID.

```
{
  "id": 28,
  "name": "Controlled Products - Sub Class A",
  "description": "Products that are controlled within Sub Class A"
}
```

Response

When using the Product Type – Upsert API call, if a Product Type has been Created or Updated a JSON payload will be returned containing data in the following structure:

```
[
  {
    "id": 0,
    "name": "string",
    "description": "string"
  }
]
```


Sample Response

See below for sample use cases with examples of the JSON payload format returned.

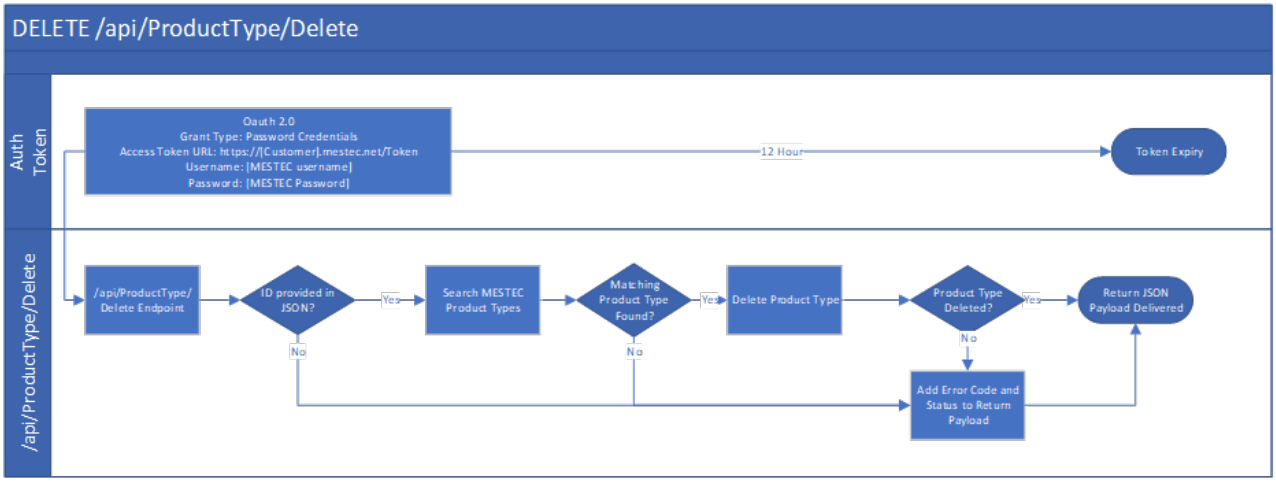

```
[
  {
    "id": 28,
    "name": "Controlled Sub Class A",
    "description": "Products that are controlled within sub class A"
  }
]
```


Delete

The Product Type – Delete API call attempts to delete a Product Type. A Product Type can be deleted as long as there are no Products currently assigned to the Product Type.

Figure 3 shows the logic used within the Product Group – Delete API call.

Figure 3 - Logic within ProductType/Delete API Call



Data Prerequisites

In order to delete a Product Type, the Product Type must exist in Eyelit MES-M.
The Product Type must have no Products currently assigned.

Request

Table 5 shows the method and endpoint required to make the API call to list Product Groups.

Table 5 - Outbound Message Detail for Product Type - Delete

Method	URL Structure	Endpoint
DELETE	https://[environment].mestec.net	/api/ProductType/Delete

The body of the payload should follow the format below.

```
{
  "id": 0
}
```

See Table 6 for information on which fields are optional, the appropriate data types and the mappings to fields in Eyelit MES-M.

Table 6 - Parameter Information for Product Type - Delete

Parameter Name	Data Mapping	Data Type	Mandatory	Case Sensitive	Match Type
ID	producttype.id	NUMBER	Yes	N/A	Exact

Note: For any fields where the match type is 'Like', a percent symbol should be used as a wildcard character to indicate a number of characters within the given string.

Sample Request

See below for sample use cases with examples of the JSON payload format required.

Delete by ID

```
{
  "id": 28
}
```

Response

When using the Product Type – Delete API call, if a Product Type has been Deleted a 200 status response will be returned.